

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061698.D
 Acq On : 10 Apr 2019 4:22
 Operator : VA/AP
 Sample : VD0409SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

Quant Time: Apr 10 04:52:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	564700	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	972231	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	839173	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	391871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	232252	54.26	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	6.95	113	368250	54.67	ug/l	0.03
Spiked Amount	50.000		Recovery	=	109.34%	
50) Toluene-d8	10.43	98	847144	50.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	13.57	95	315259	53.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	95233	15.632	ug/l 98
3) Chloromethane	1.76	50	84726	17.210	ug/l 94
4) Vinyl Chloride	1.86	62	81305	17.674	ug/l 99
5) Bromomethane	2.15	94	18125	17.022	ug/l 99
6) Chloroethane	2.26	64	24310	16.872	ug/l # 87
7) Trichlorofluoromethane	2.54	101	118345	17.038	ug/l 97
8) Diethyl Ether	2.89	74	37333	19.152	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.17	101	122208	17.896	ug/l 96
10) Methyl Iodide	3.33	142	176926	19.758	ug/l # 96
11) Tert butyl alcohol	4.08	59	27892	97.230	ug/l # 93
12) 1,1-Dichloroethene	3.14	96	101570	17.254	ug/l 91
13) Acrolein	3.05	56	29924	85.558	ug/l 93
14) Allyl chloride	3.64	41	159820	19.905	ug/l 94
15) Acrylonitrile	4.22	53	94957	96.160	ug/l 95
16) Acetone	3.24	43	96341	75.293	ug/l 99
17) Carbon Disulfide	3.39	76	340796	17.816	ug/l 100
18) Methyl Acetate	3.66	43	56032	23.275	ug/l 97
19) Methyl tert-butyl Ether	4.26	73	213624	20.957	ug/l 100
20) Methylene Chloride	3.84	84	143551	19.770	ug/l 98
21) trans-1,2-Dichloroethene	4.24	96	122369	19.139	ug/l 96
22) Diisopropyl ether	5.15	45	331970	19.720	ug/l 96
23) Vinyl Acetate	5.08	43	912591	98.246	ug/l 98
24) 1,1-Dichloroethane	5.01	63	198632	19.255	ug/l 99
25) 2-Butanone	6.10	43	128029	86.793	ug/l 99
26) 2,2-Dichloropropane	6.05	77	135643	16.148	ug/l 98
27) cis-1,2-Dichloroethene	6.06	96	126808	18.591	ug/l 99
28) Bromochloromethane	6.47	49	69120	18.164	ug/l 100
29) Tetrahydrofuran	6.49	42	68101	95.636	ug/l 99
30) Chloroform	6.69	83	220205	20.377	ug/l 100
31) Cyclohexane	6.99	56	133065	16.511	ug/l 95
32) 1,1,1-Trichloroethane	6.90	97	176838	18.673	ug/l 99
36) 1,1-Dichloropropene	7.17	75	151805	17.841	ug/l 95
37) Ethyl Acetate	6.21	43	69600	20.082	ug/l # 97
38) Carbon Tetrachloride	7.14	117	173190	17.367	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	150488	17.227	ug/l	95
40) Benzene	7.48	78	383516	18.683	ug/l	99
41) Methacrylonitrile	6.48	41	77717	19.209	ug/l #	96
42) 1,2-Dichloroethane	7.61	62	130092	20.152	ug/l	98
43) Isopropyl Acetate	9.26	43	89171	17.728	ug/l #	97
44) Trichloroethene	8.56	130	152073	19.324	ug/l	97
45) 1,2-Dichloropropane	8.97	63	103011	20.235	ug/l	99
46) Dibromomethane	9.08	93	71442	19.636	ug/l	94
47) Bromodichloromethane	9.40	83	163054	20.405	ug/l	99
48) Methyl methacrylate	9.14	41	52396	18.072	ug/l	88
49) 1,4-Dioxane	9.10	88	12468	389.589	ug/l	94
51) 4-Methyl-2-Pentanone	10.32	43	298637	100.395	ug/l	100
52) Toluene	10.53	92	269215	21.003	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	145136	20.720	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	161983	18.760	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	88151	20.390	ug/l	95
56) Ethyl methacrylate	11.06	69	93581	20.519	ug/l	98
57) 1,3-Dichloropropane	11.43	76	139073	21.967	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	259407	120.546	ug/l	95
59) 2-Hexanone	11.56	43	221299	95.861	ug/l	96
60) Dibromochloromethane	11.70	129	137654	20.154	ug/l	98
61) 1,2-Dibromoethane	11.82	107	105657	20.898	ug/l	94
64) Tetrachloroethene	11.28	164	121542	18.659	ug/l	98
65) Chlorobenzene	12.41	112	323191	19.420	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	125104	19.536	ug/l	97
67) Ethyl Benzene	12.54	91	463086	18.274	ug/l	99
68) m/p-Xylenes	12.69	106	359747	36.822	ug/l	99
69) o-Xylene	13.06	106	161728	17.149	ug/l	100
70) Styrene	13.08	104	279724	17.368	ug/l	96
71) Bromoform	13.25	173	81907	20.614	ug/l	99
73) Isopropylbenzene	13.42	105	455210	17.434	ug/l	98
74) N-amyl acetate	13.28	43	133887	18.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	97398	18.040	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	98658	18.505	ug/l	98
77) Bromobenzene	13.68	156	142659	18.823	ug/l	88
78) n-propylbenzene	13.79	91	568640	18.206	ug/l	96
79) 2-Chlorotoluene	13.85	91	348199	19.495	ug/l	92
80) 1,3,5-Trimethylbenzene	13.95	105	418988	20.217	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	26027	16.088	ug/l	90
82) 4-Chlorotoluene	13.96	91	404198	20.652	ug/l	96
83) tert-Butylbenzene	14.20	119	471998	18.889	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	401686	19.204	ug/l	98
85) sec-Butylbenzene	14.38	105	451702	16.731	ug/l	97
86) p-Isopropyltoluene	14.50	119	380177	16.233	ug/l	95
87) 1,3-Dichlorobenzene	14.47	146	246845	18.925	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	241361	18.339	ug/l	98
89) n-Butylbenzene	14.80	91	385709	18.948	ug/l	97
90) Hexachloroethane	15.02	117	114801	18.065	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	209806	19.517	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12563	19.283	ug/l	66

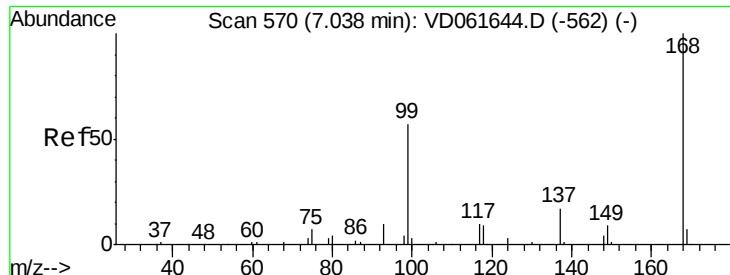
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061698.D
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Quant Time: Apr 10 04:52:16 2019
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	107946	19.709	ug/l	97
94) Hexachlorobutadiene	16.04	225	85426	20.200	ug/l	97
95) Naphthalene	16.13	128	195843	22.599	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	67232	24.596	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

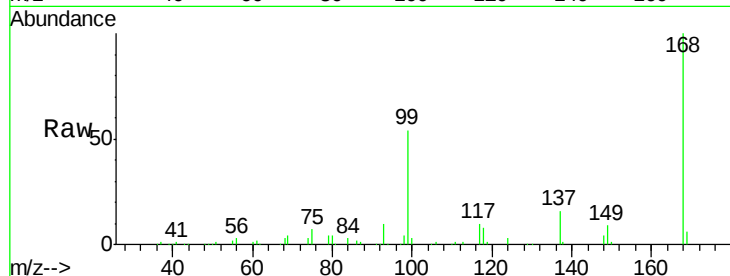
VD0409SBS02

Tot Ion:168 Resp: 564700

Ion Ratio Lower Upper

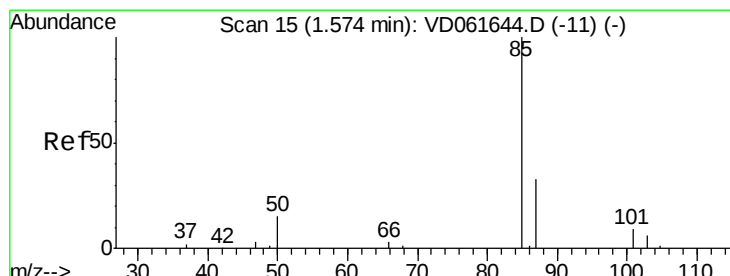
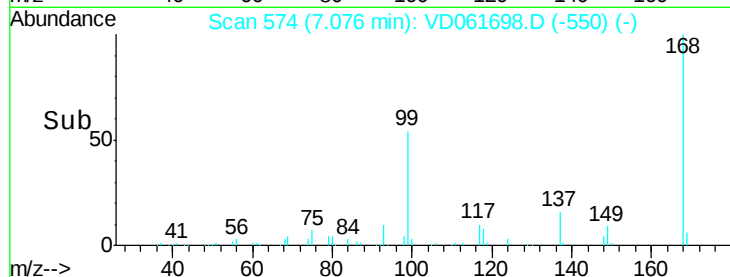
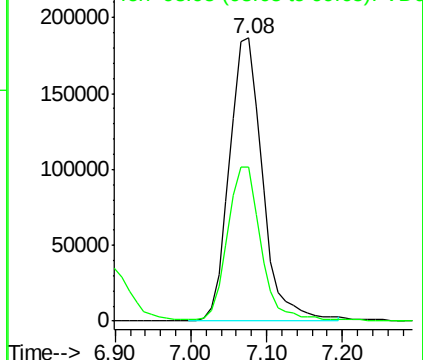
168 100

99 54.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.632 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061698.D

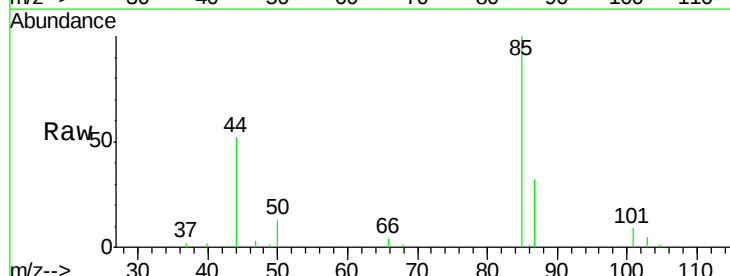
Acq: 10 Apr 2019 4:22

Tgt Ion: 85 Resp: 95233

Ion Ratio Lower Upper

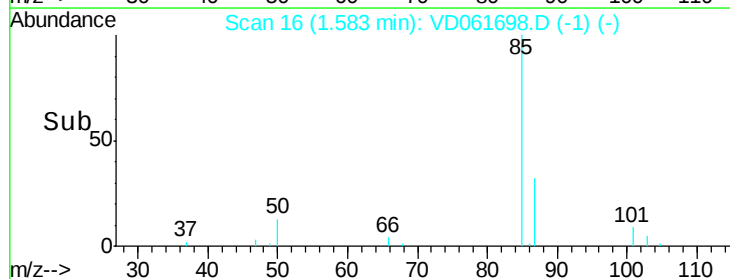
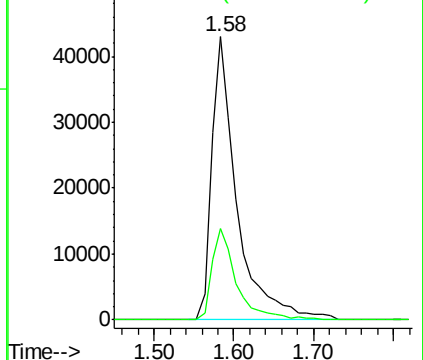
85 100

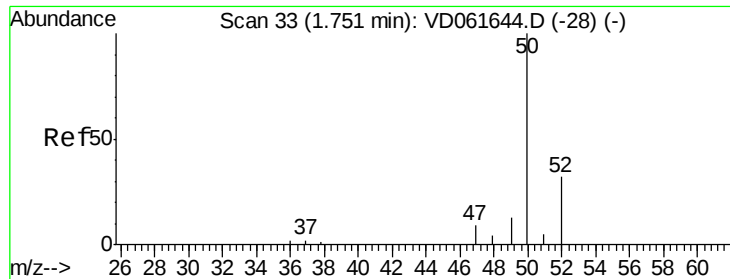
87 32.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.210 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

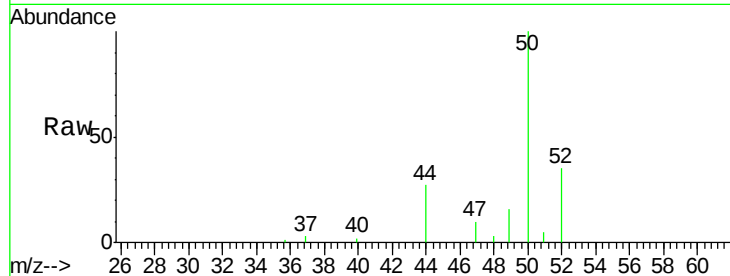
VD0409SBSD02

Tot Ion: 50 Resp: 84726

Ion Ratio Lower Upper

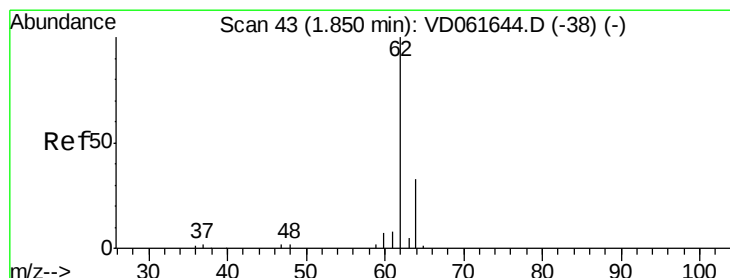
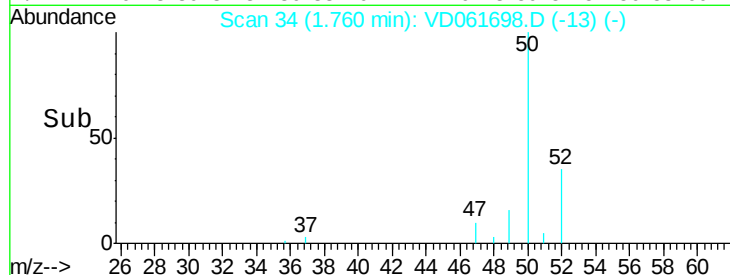
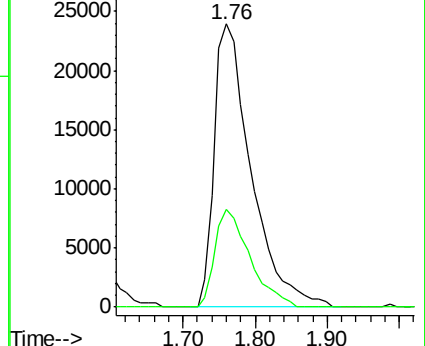
50 100

52 34.7 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.674 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061698.D

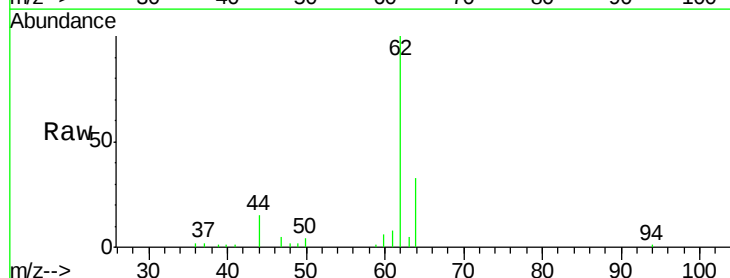
Acq: 10 Apr 2019 4:22

Tgt Ion: 62 Resp: 81305

Ion Ratio Lower Upper

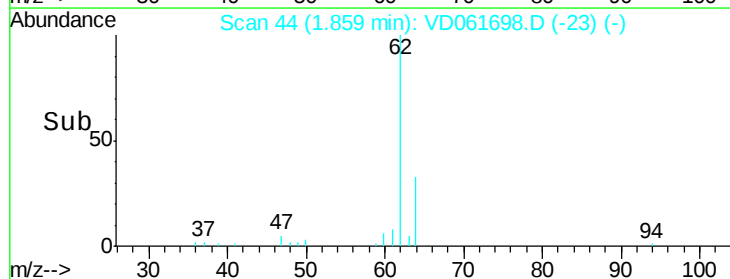
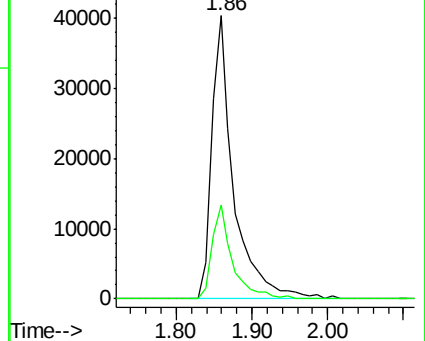
62 100

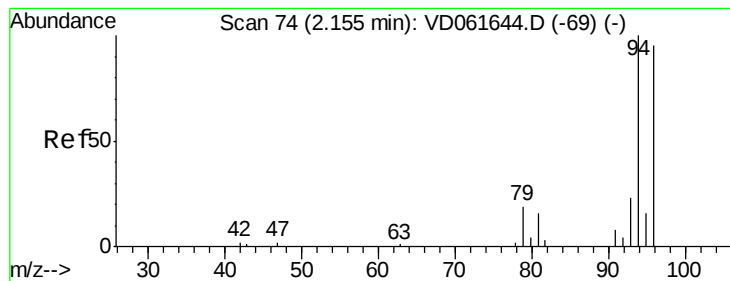
64 33.1 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.022 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

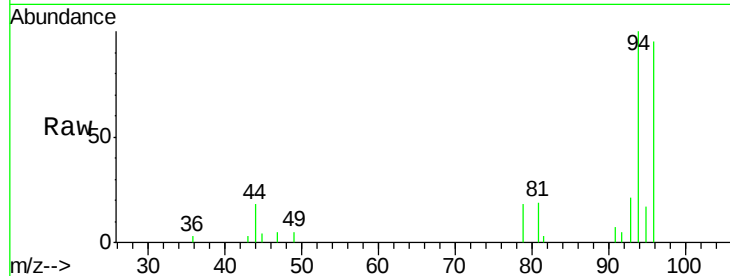
Tot Ion: 94 Resp: 18125

Ion Ratio Lower Upper

94 100

96 95.3 75.8 113.8

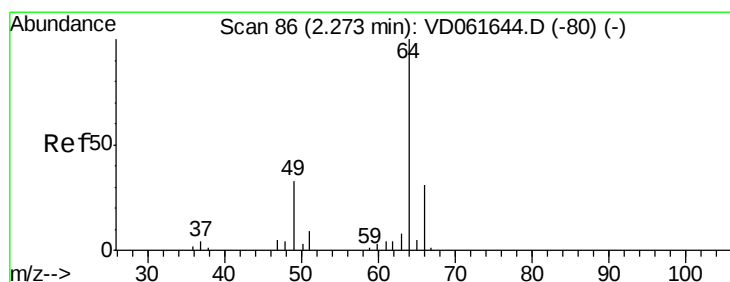
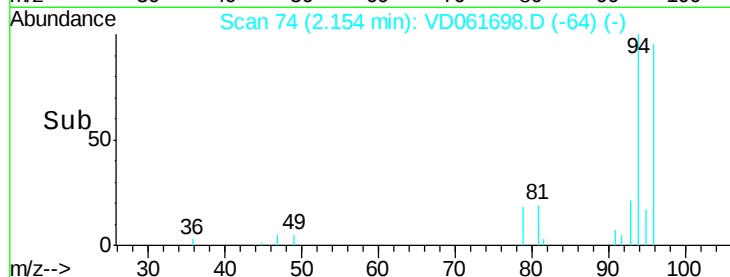
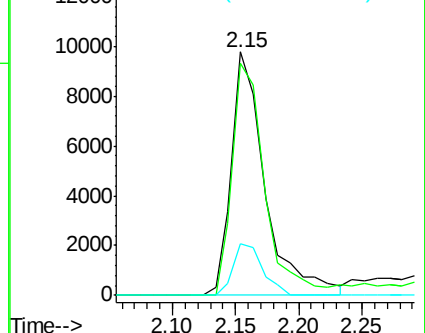
93 21.3 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.872 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061698.D

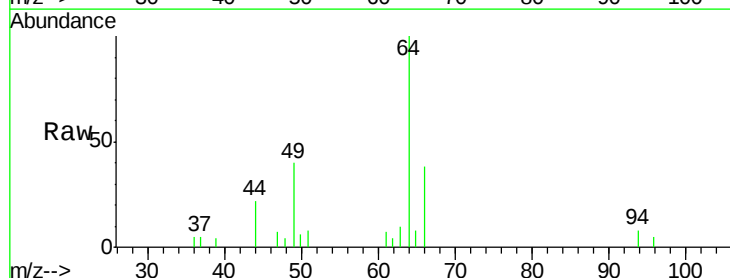
Acq: 10 Apr 2019 4:22

Tgt Ion: 64 Resp: 24310

Ion Ratio Lower Upper

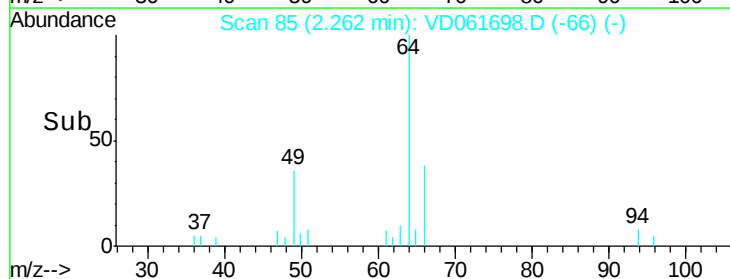
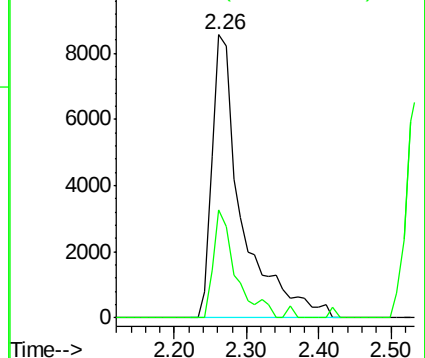
64 100

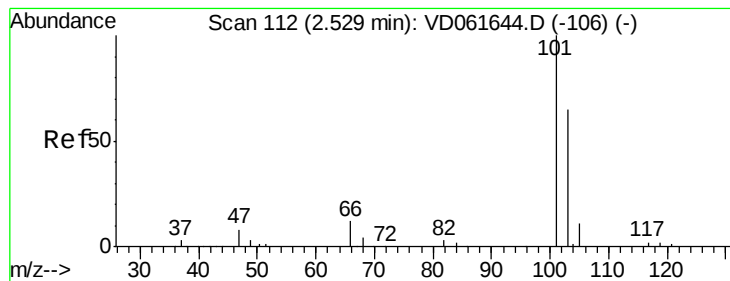
66 38.0 24.9 37.3#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



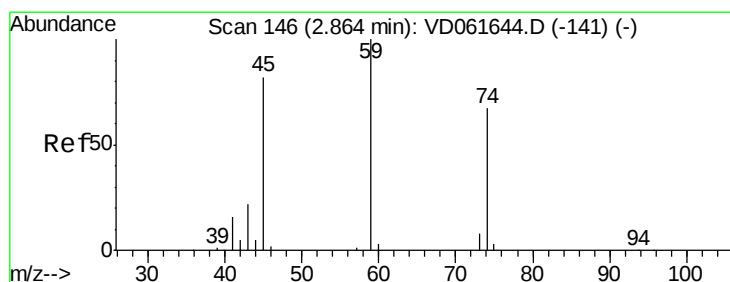
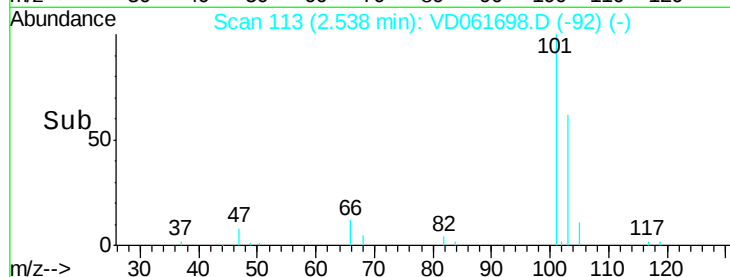
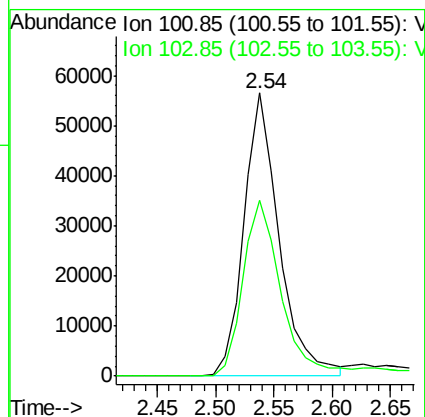
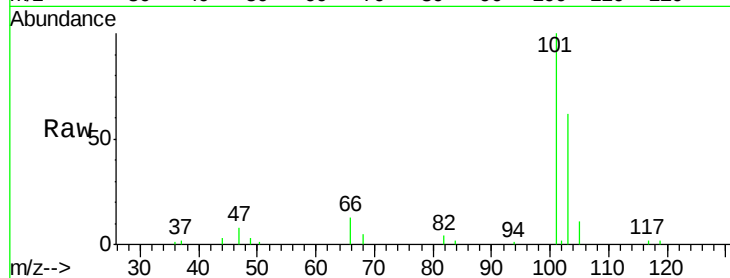


#7

Trichlorofluoromethane
 Concen: 17.038 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

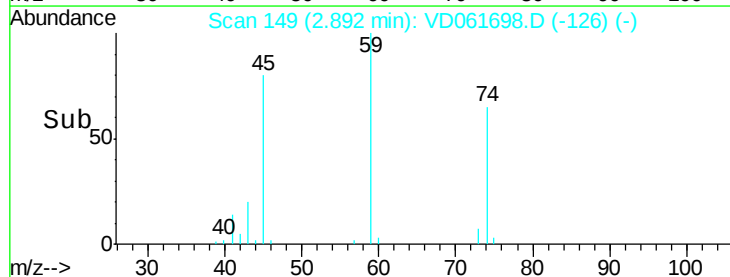
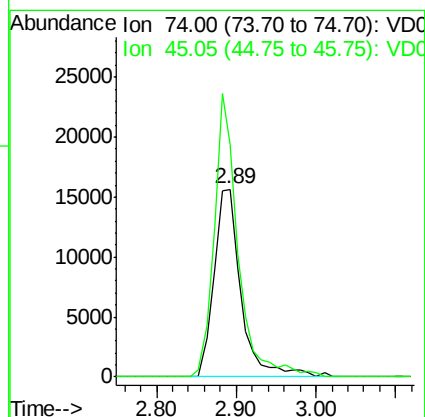
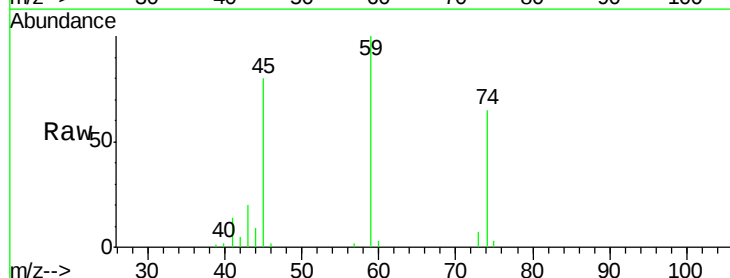
Tot Ion:101 Resp: 118345
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.0 78.0

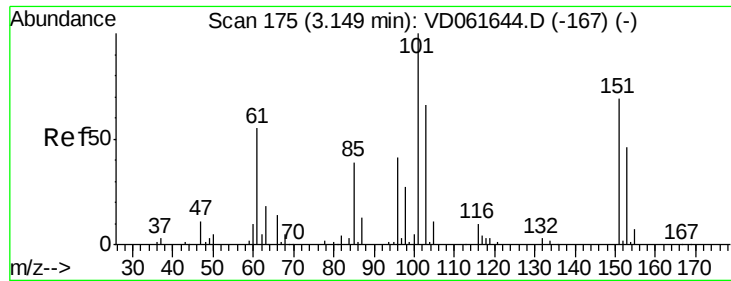


#8

Diethyl Ether
 Concen: 19.152 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 74 Resp: 37333
 Ion Ratio Lower Upper
 74 100
 45 123.7 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.896 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

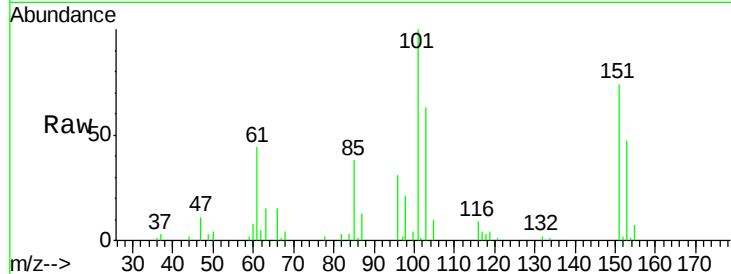
Tot Ion:101 Resp: 122208

Ion Ratio Lower Upper

101 100

85 38.3 31.0 46.6

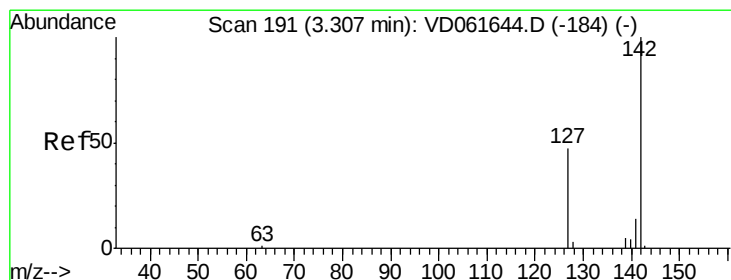
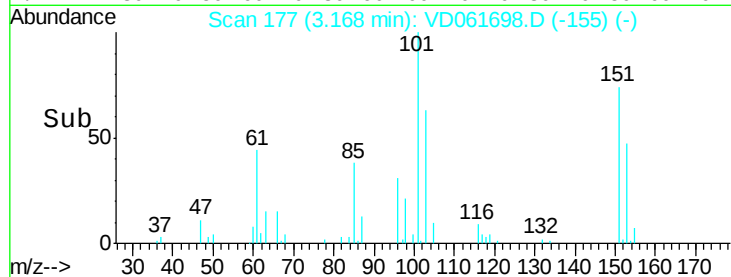
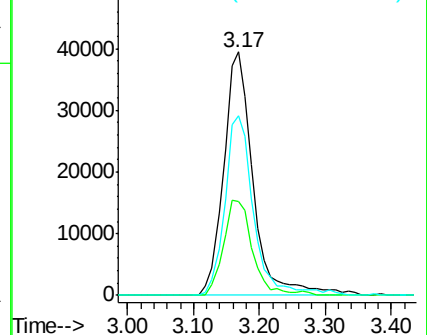
151 73.9 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.758 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

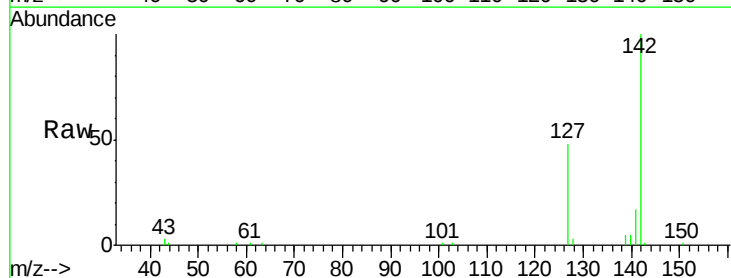
Tgt Ion:142 Resp: 176926

Ion Ratio Lower Upper

142 100

127 48.2 37.2 55.8

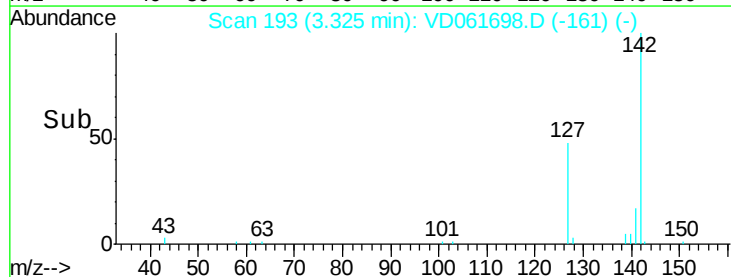
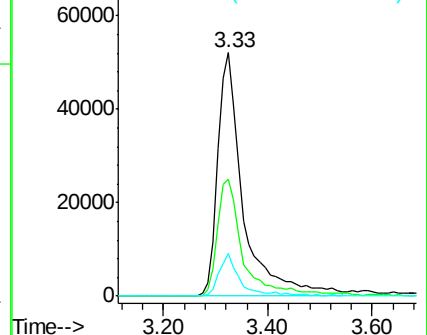
141 17.3 10.8 16.2#

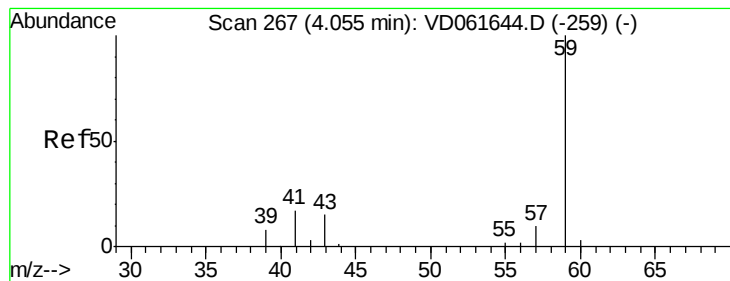


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 97.230 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

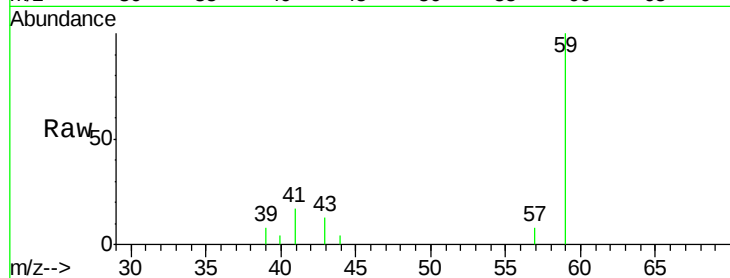
VD0409SBSD02

Tot Ion: 59 Resp: 27892

Ion Ratio Lower Upper

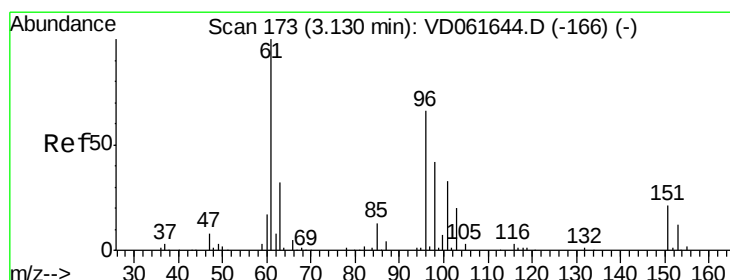
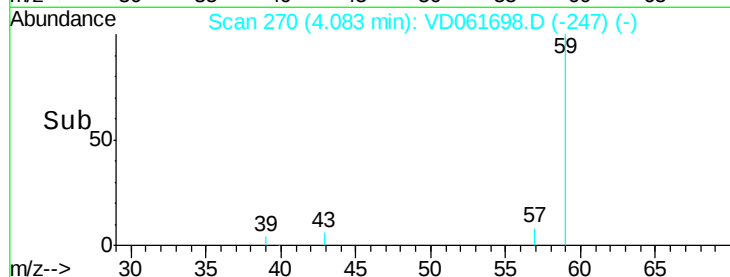
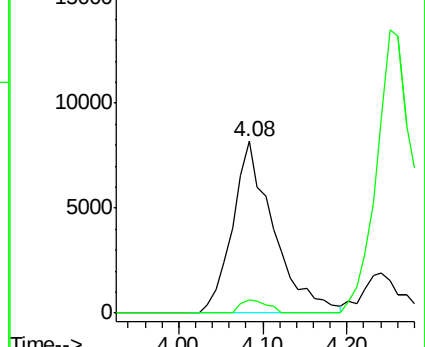
59 100

57 7.9 8.4 12.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 17.254 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

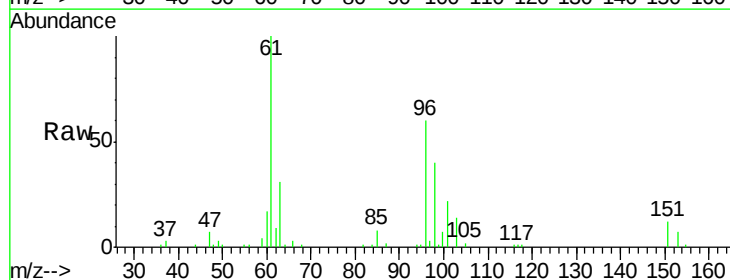
Tgt Ion: 96 Resp: 101570

Ion Ratio Lower Upper

96 100

61 166.0 121.3 181.9

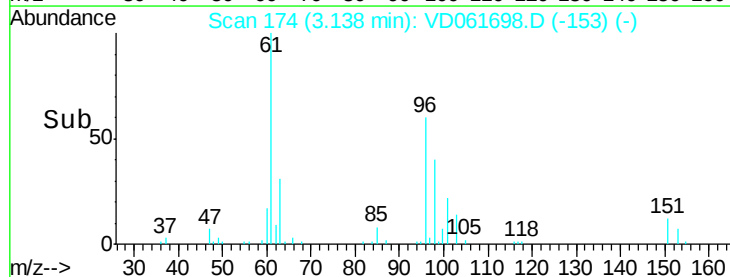
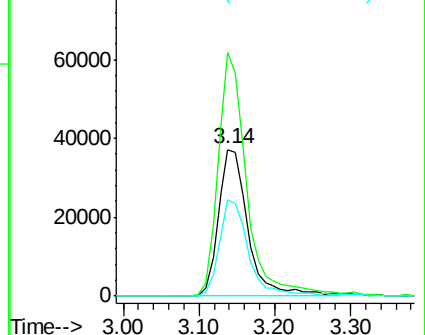
98 65.8 50.6 76.0

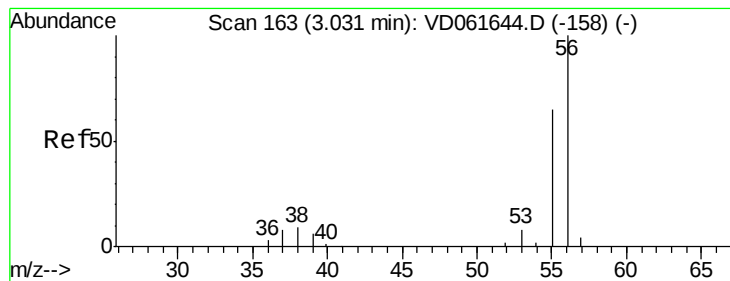


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 85.558 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

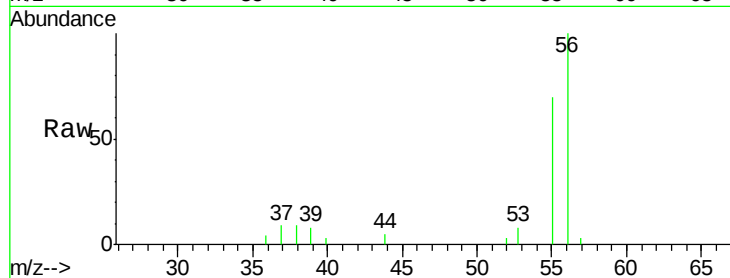
VD0409SBSD02

Tot Ion: 56 Resp: 29924

Ion Ratio Lower Upper

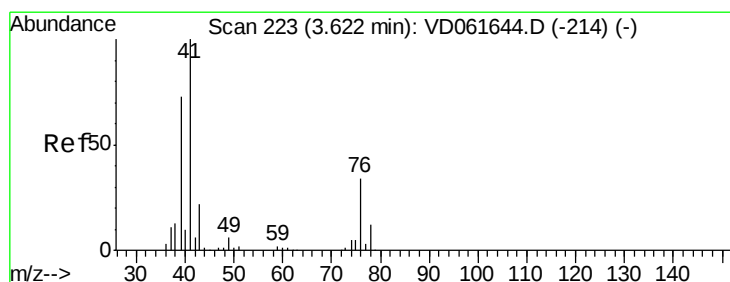
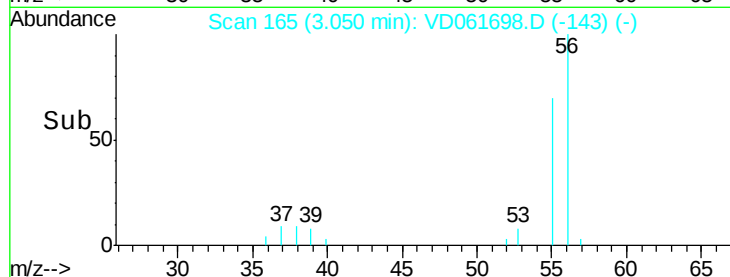
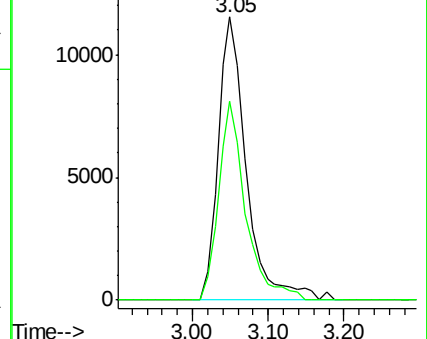
56 100

55 70.1 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.905 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

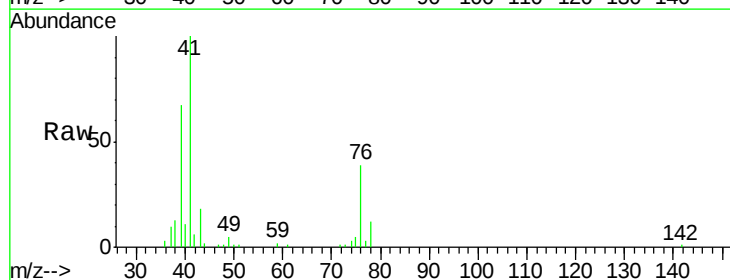
Tgt Ion: 41 Resp: 159820

Ion Ratio Lower Upper

41 100

39 66.6 58.2 87.4

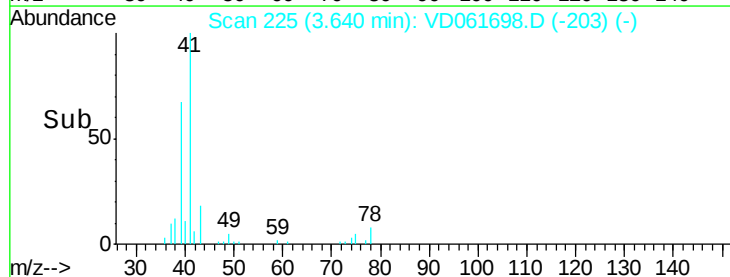
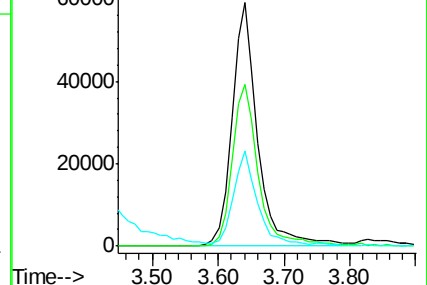
76 38.9 29.8 44.6

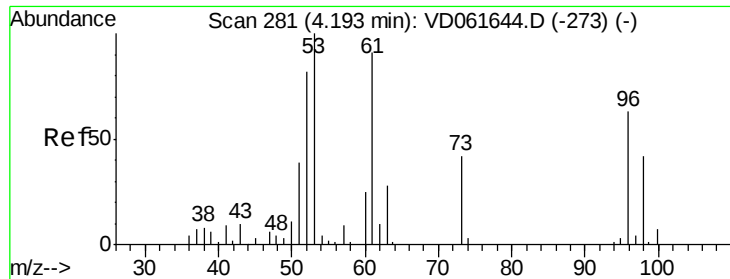


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.160 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

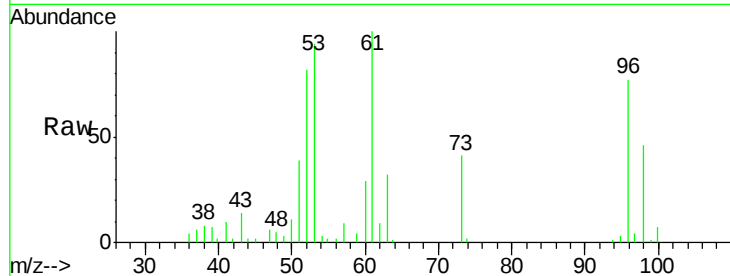
Tot Ion: 53 Resp: 94957

Ion Ratio Lower Upper

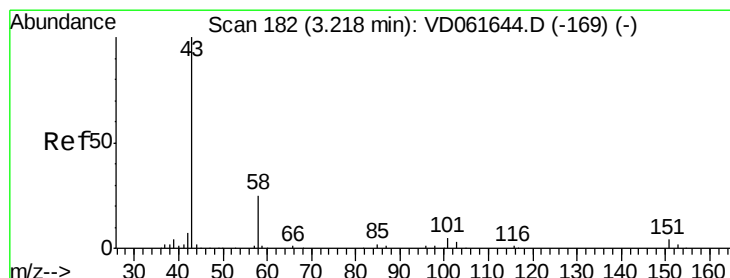
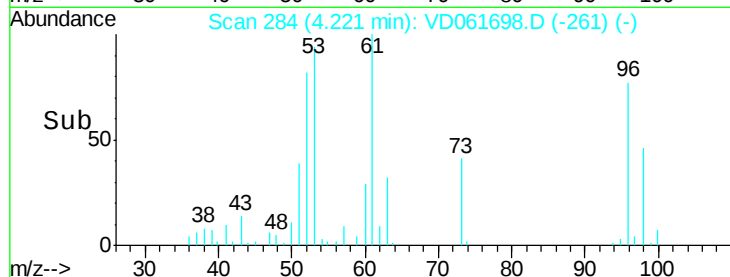
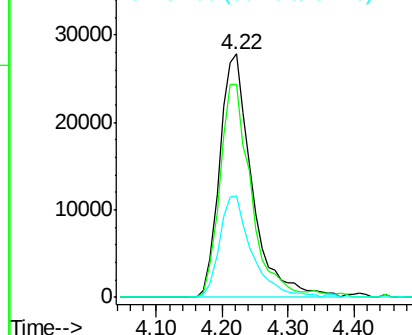
53 100

52 87.4 65.9 98.9

51 41.6 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 75.293 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061698.D

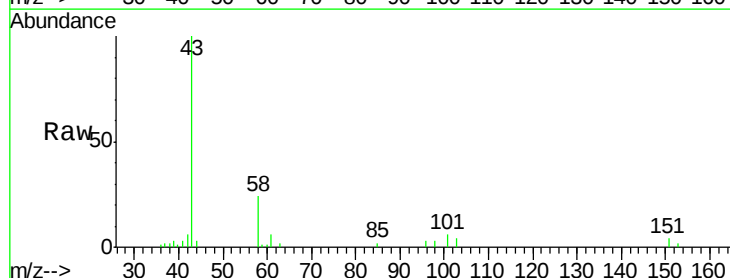
Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 96341

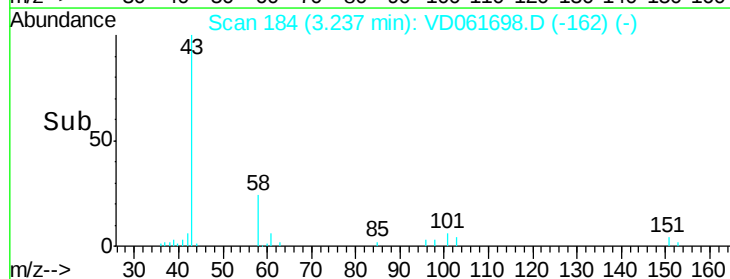
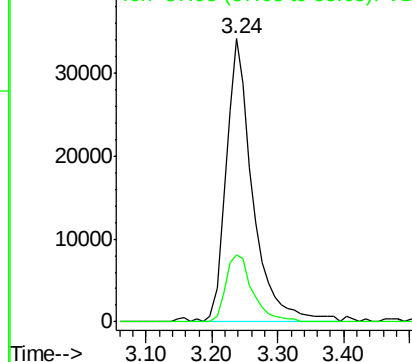
Ion Ratio Lower Upper

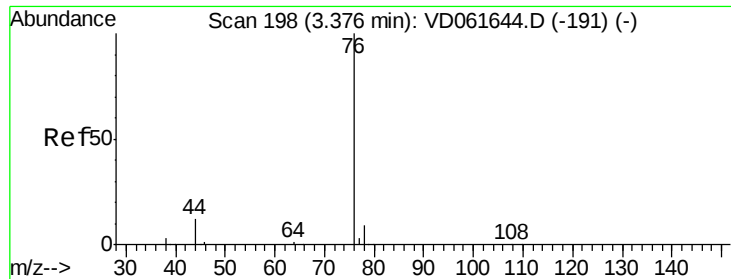
43 100

58 23.9 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.816 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

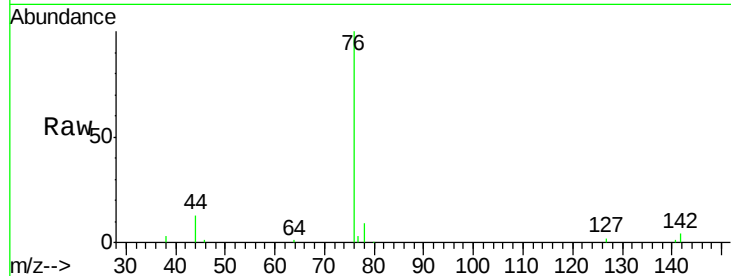
VD0409SBSD02

Tot Ion: 76 Resp: 340796

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

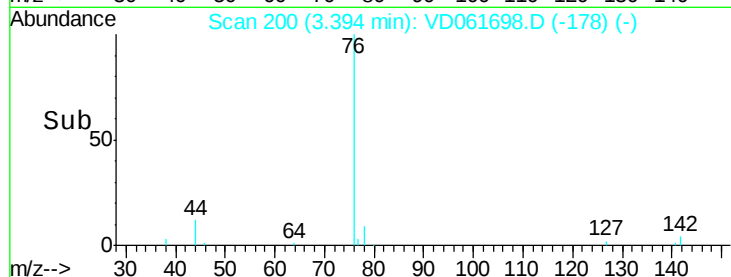
150000

100000

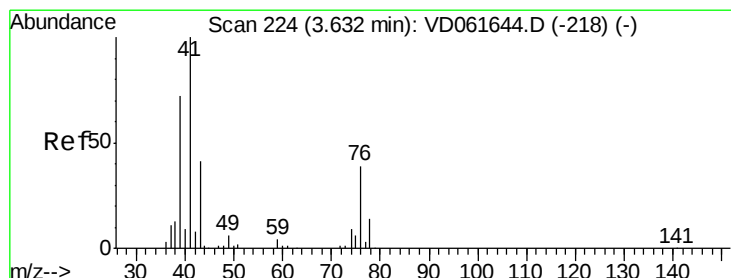
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 23.275 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061698.D

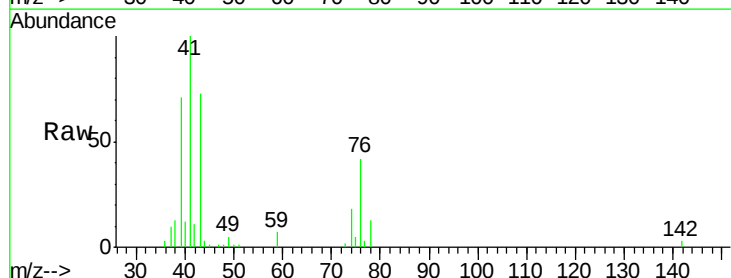
Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 56032

Ion Ratio Lower Upper

43 100

74 24.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

20000

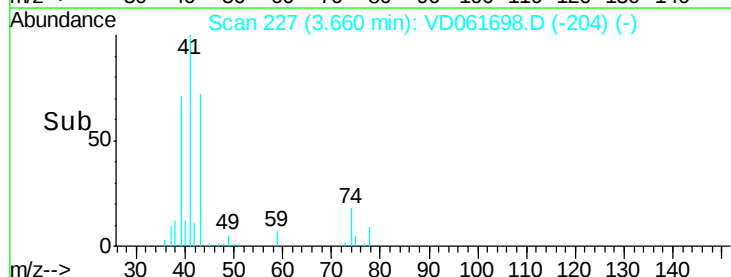
15000

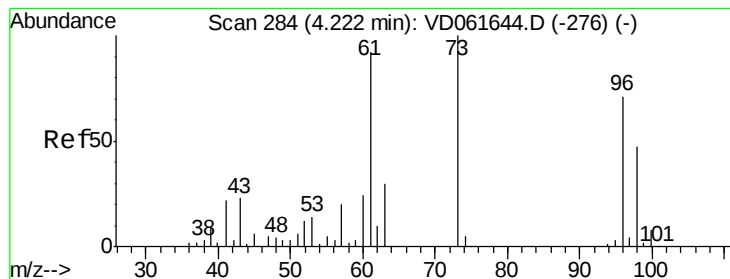
10000

5000

0

Time-->



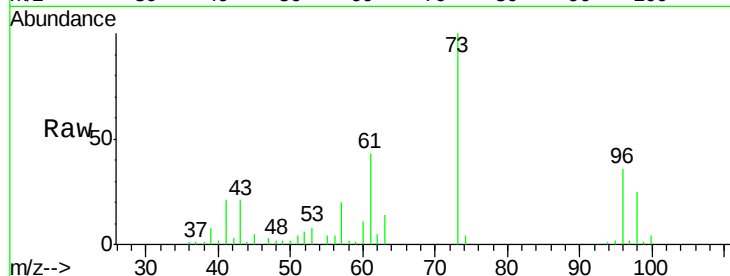


#19

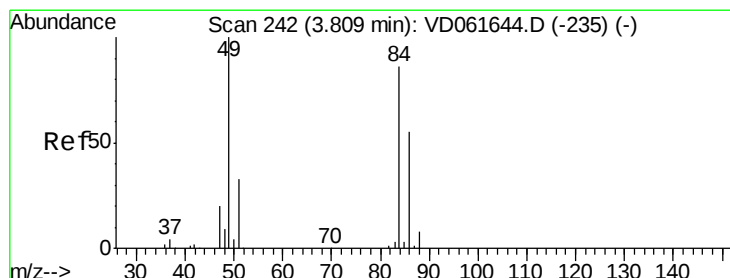
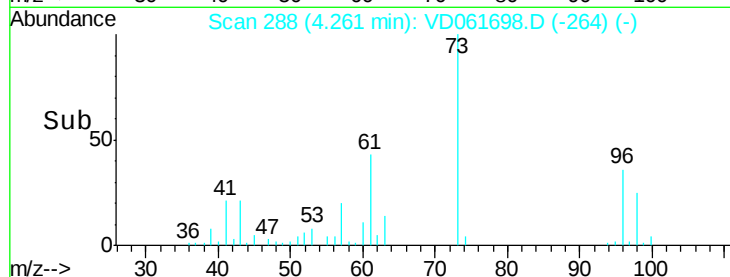
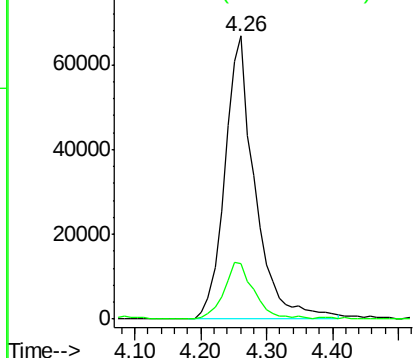
Methyl tert-butyl Ether
 Concen: 20.957 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.04 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

Tot Ion: 73 Resp: 213624
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.0 24.0



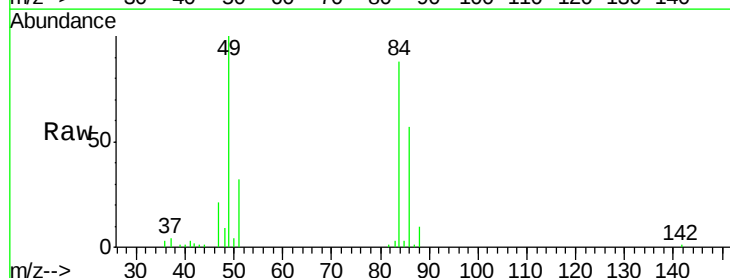
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



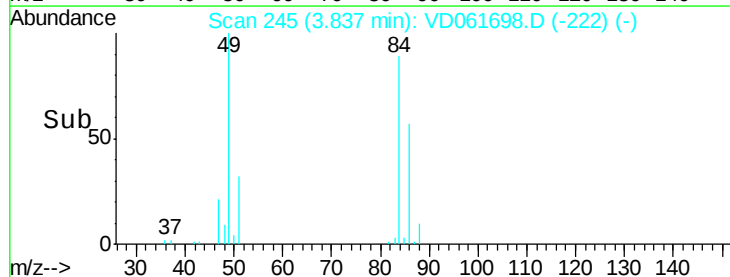
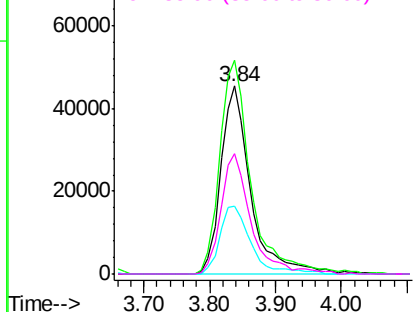
#20

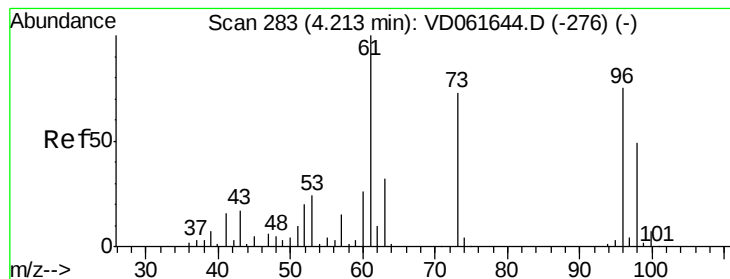
Methylene Chloride
 Concen: 19.770 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 84 Resp: 143551
 Ion Ratio Lower Upper
 84 100
 49 113.7 93.0 139.4
 51 36.0 30.4 45.6
 86 64.4 51.0 76.4



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

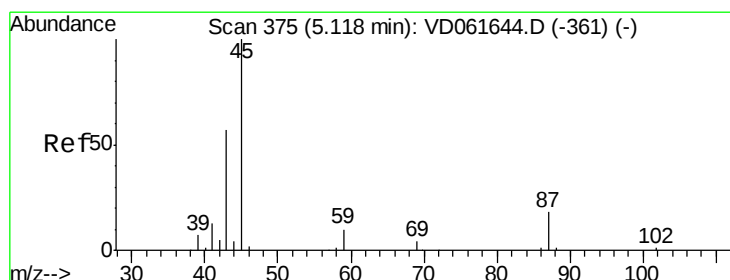
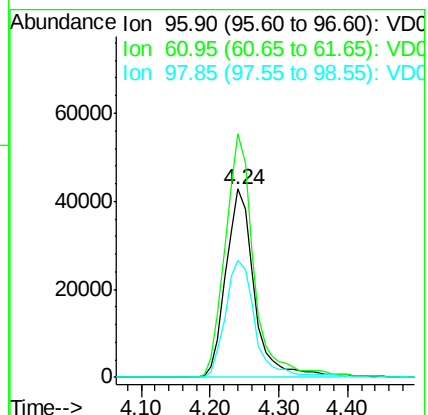
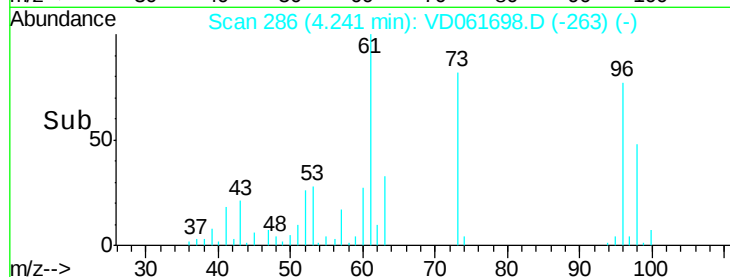
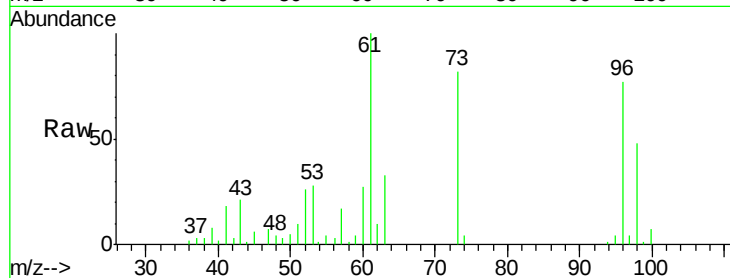
Tot Ion: 96 Resp: 122369

Ion Ratio Lower Upper

96 100

61 129.2 106.8 160.2

98 61.7 52.2 78.2



#22

Diisopropyl ether

Concen: 19.720 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Tgt Ion: 45 Resp: 331970

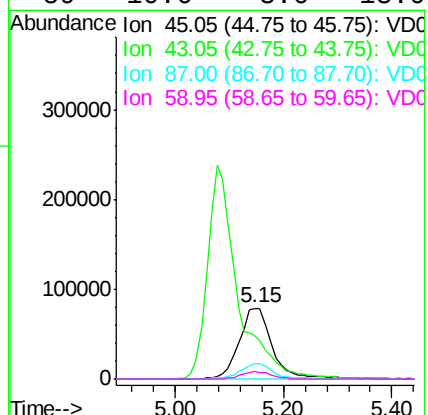
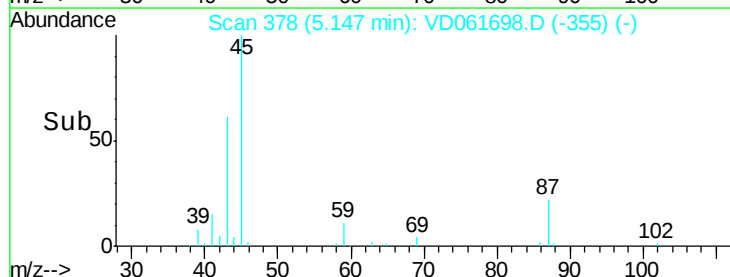
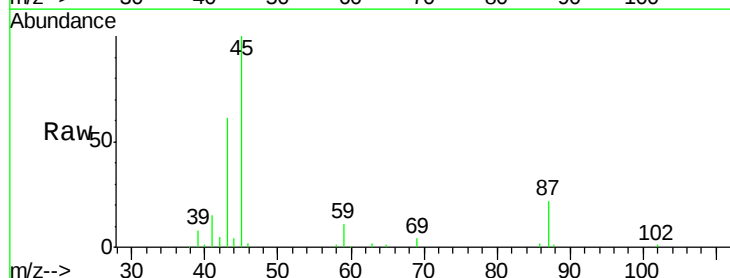
Ion Ratio Lower Upper

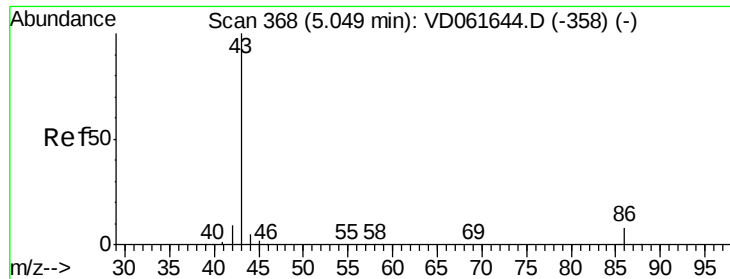
45 100

43 61.0 46.6 70.0

87 21.9 15.6 23.4

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 98.246 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleID :

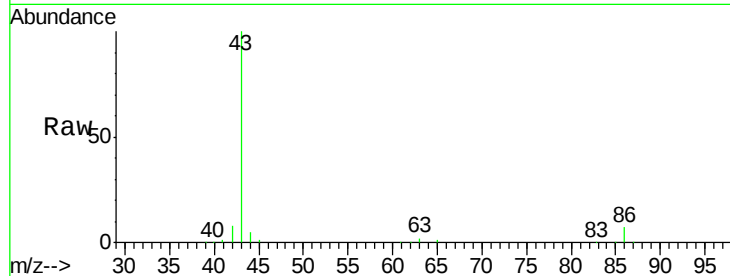
VD0409SBSD02

Tot Ion: 43 Resp: 912591

Ion Ratio Lower Upper

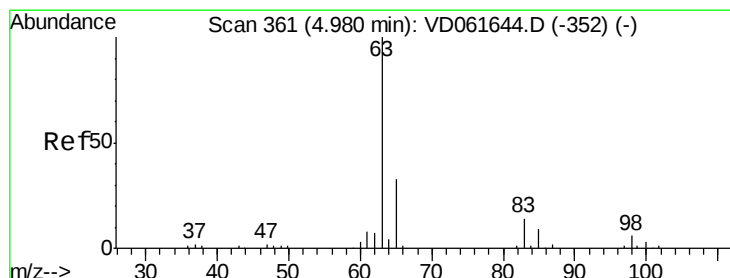
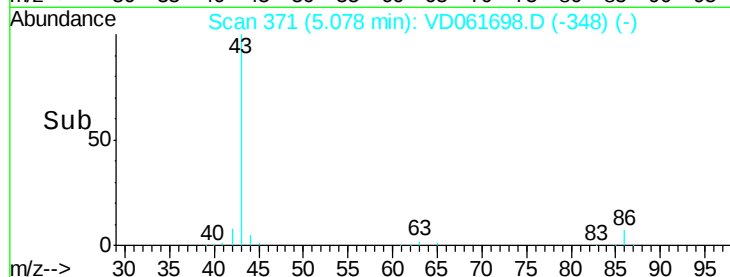
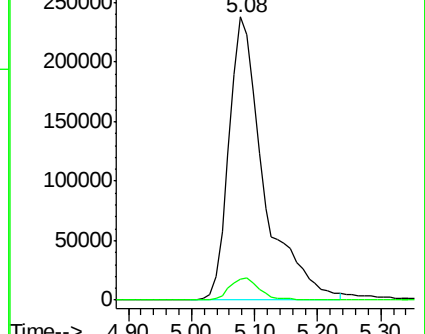
43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.255 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

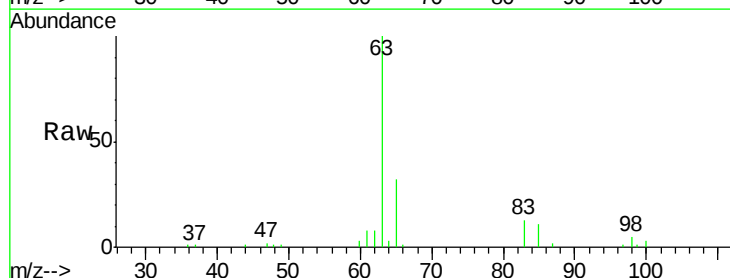
Tgt Ion: 63 Resp: 198632

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

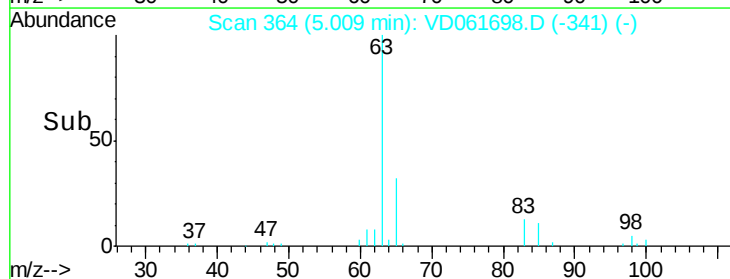
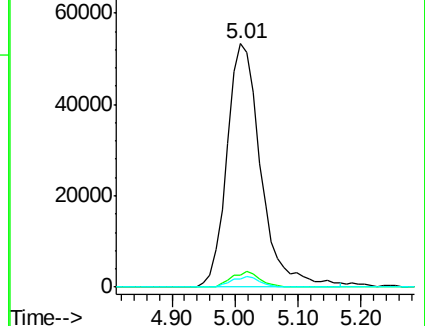
100 3.1 1.7 5.1

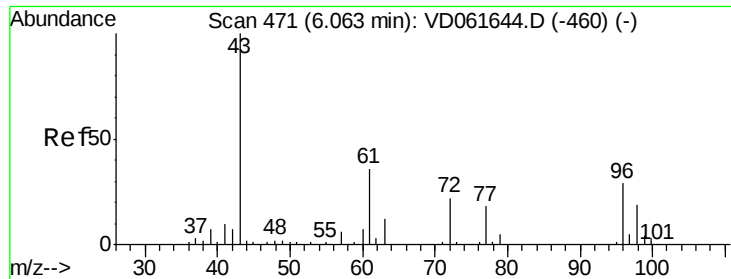


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

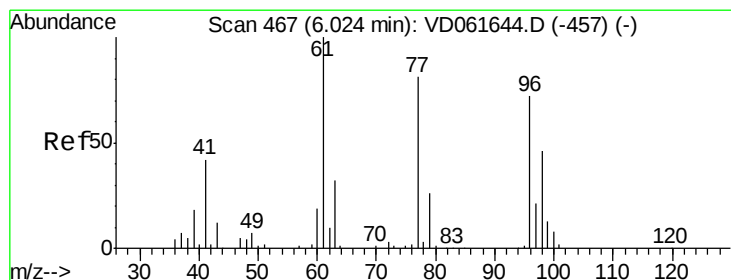
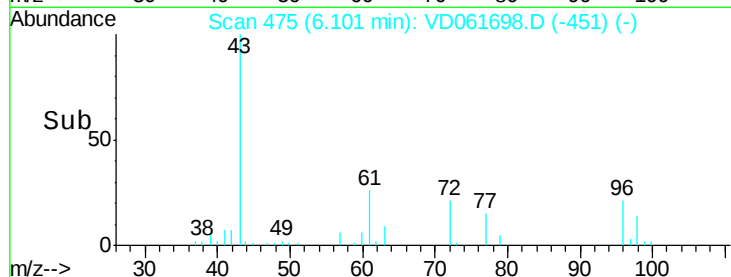
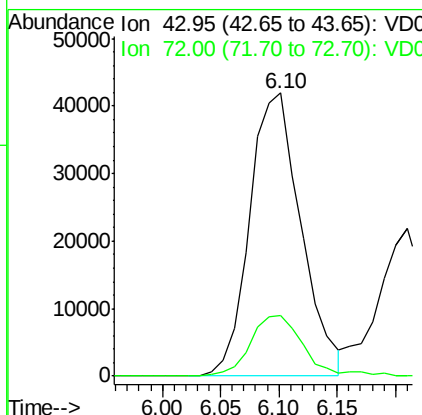
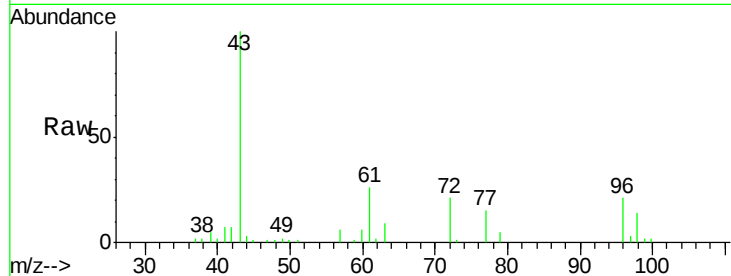




#25
2-Butanone
Concen: 86.793 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

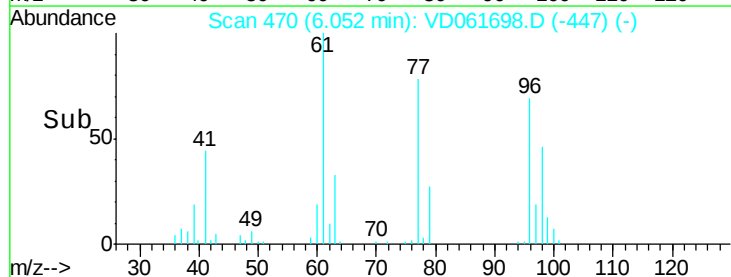
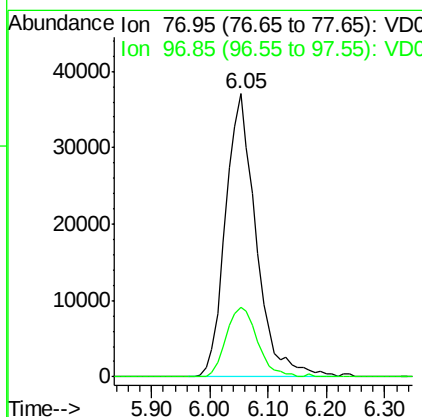
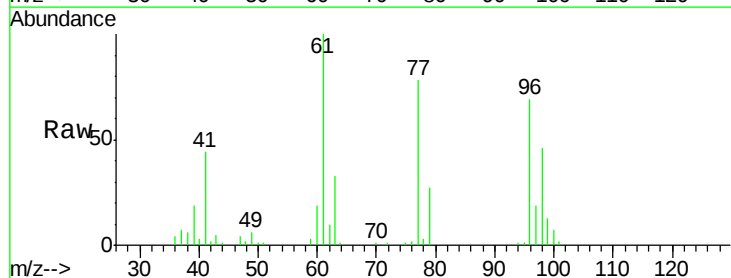
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

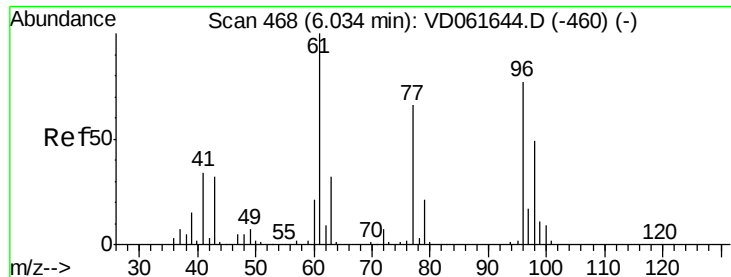
Tot Ion: 43 Resp: 128029
Ion Ratio Lower Upper
43 100
72 21.3 17.4 26.2



#26
2,2-Dichloropropane
Concen: 16.148 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 77 Resp: 135643
Ion Ratio Lower Upper
77 100
97 24.4 12.7 38.0



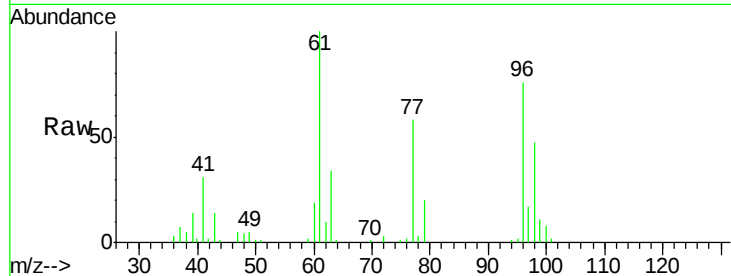


#27

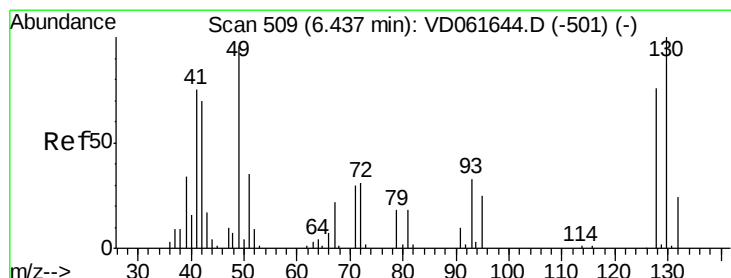
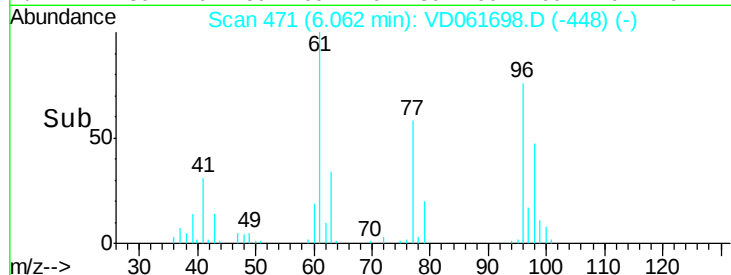
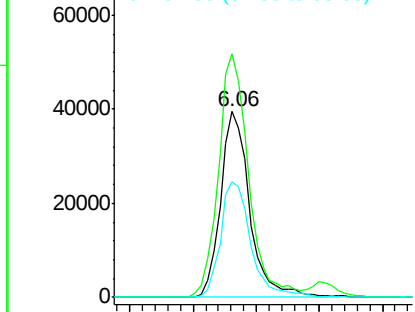
cis-1,2-Dichloroethene
Concen: 18.591 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

Tot Ion: 96 Resp: 126808
Ion Ratio Lower Upper
96 100
61 131.2 0.0 259.8
98 62.2 0.0 127.6



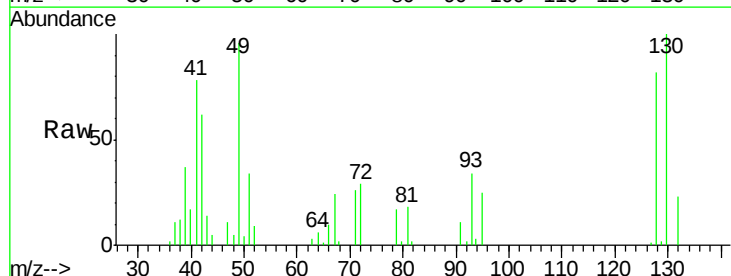
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



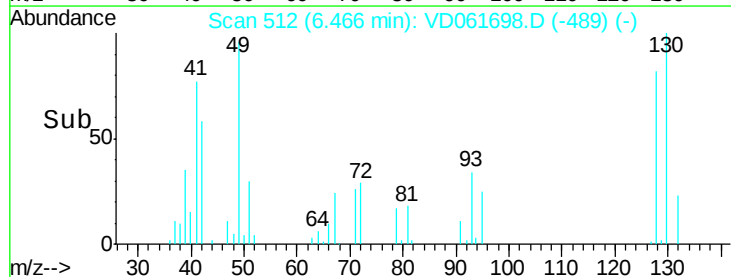
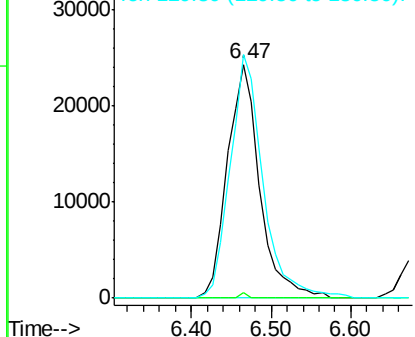
#28

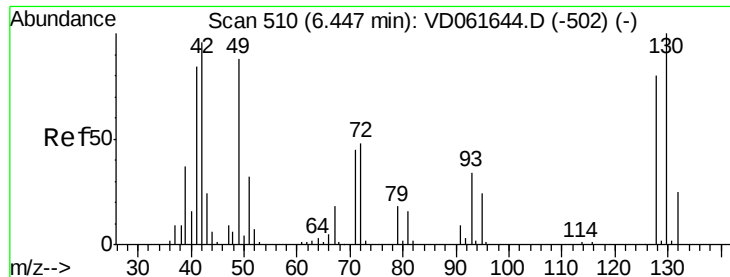
Bromochloromethane
Concen: 18.164 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 49 Resp: 69120
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.0
130 104.0 83.3 124.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 95.636 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

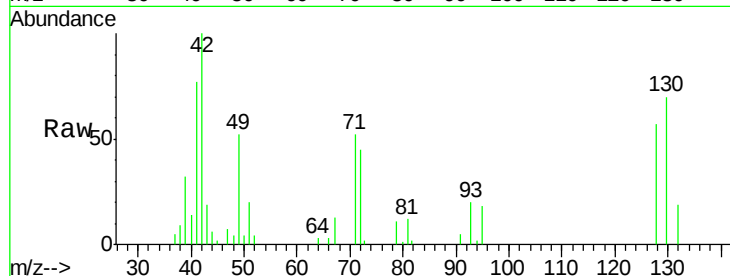
Tot Ion: 42 Resp: 68101

Ion Ratio Lower Upper

42 100

72 45.7 37.0 55.6

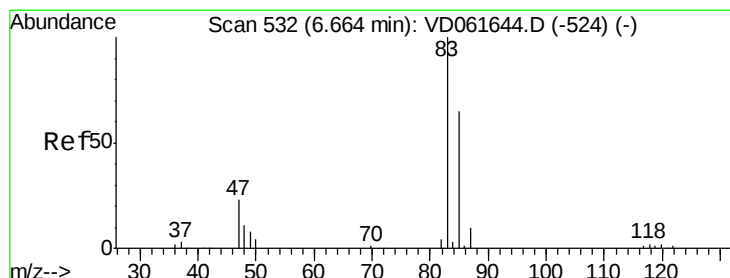
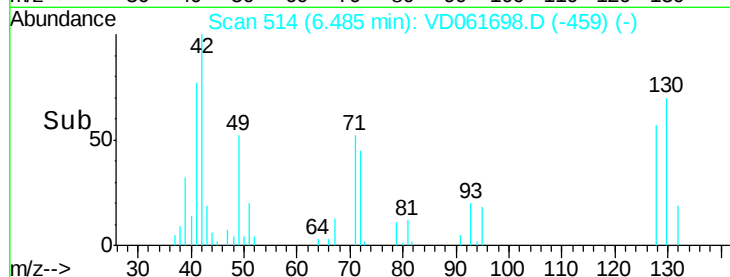
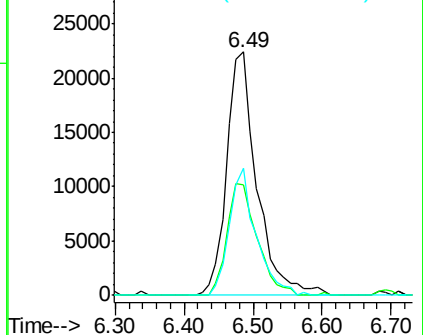
71 46.3 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.377 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD061698.D

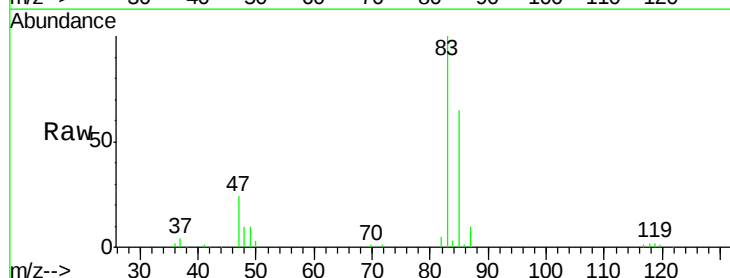
Acq: 10 Apr 2019 4:22

Tgt Ion: 83 Resp: 220205

Ion Ratio Lower Upper

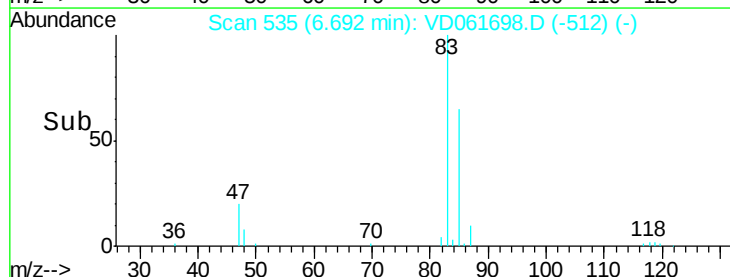
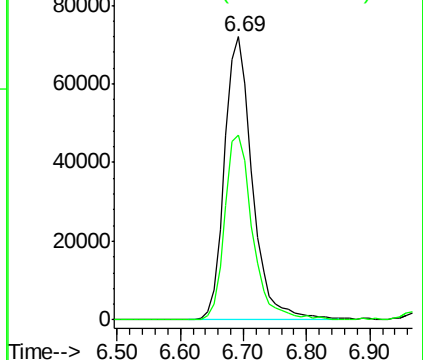
83 100

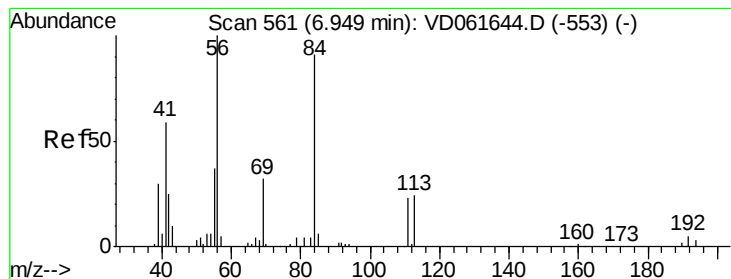
85 65.3 51.9 77.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 16.511 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

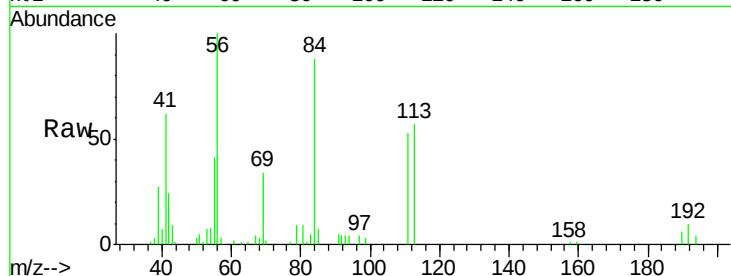
Tot Ion: 56 Resp: 133065

Ion Ratio Lower Upper

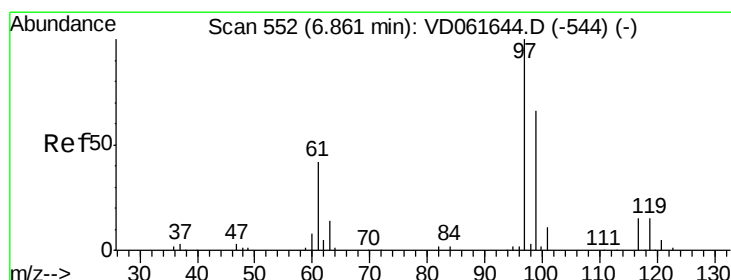
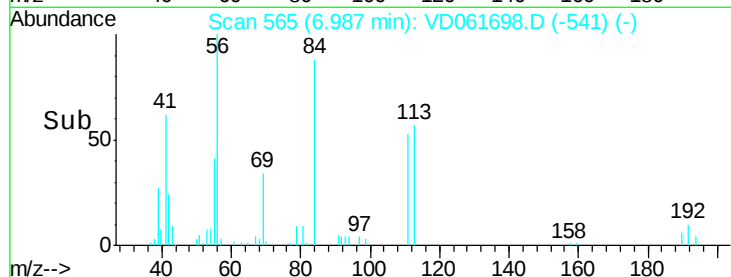
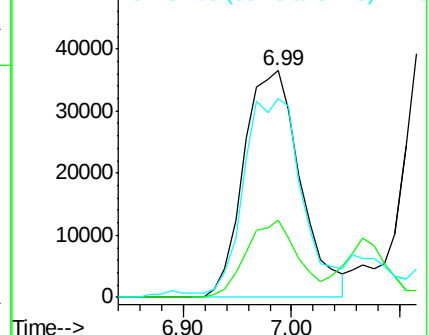
56 100

69 34.0 25.8 38.6

84 87.8 74.2 111.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.673 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

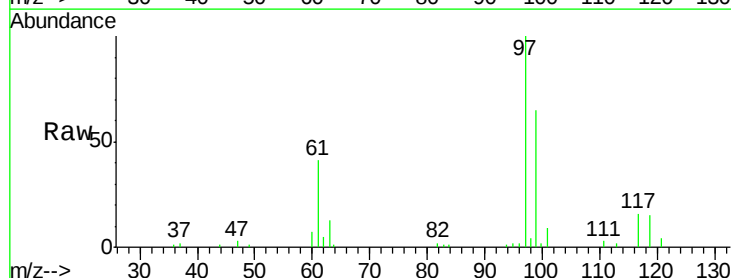
Tgt Ion: 97 Resp: 176838

Ion Ratio Lower Upper

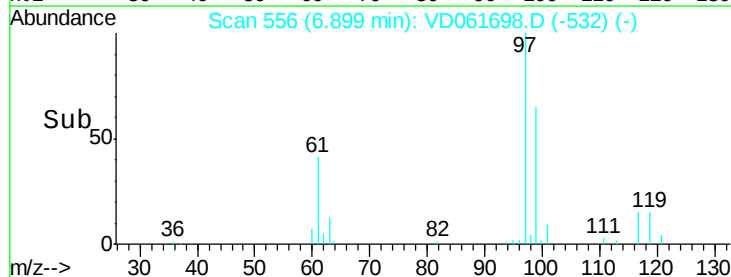
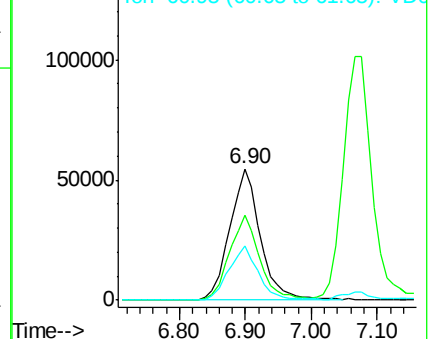
97 100

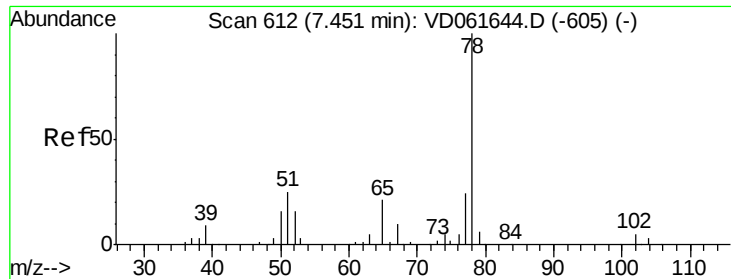
99 64.5 52.5 78.7

61 41.0 33.4 50.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 18.673 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

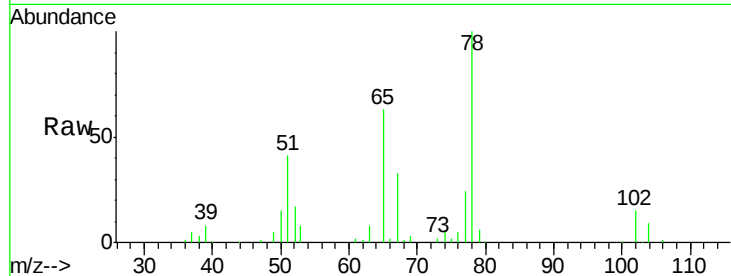
VD0409SBSD02

Tot Ion: 65 Resp: 232252

Ion Ratio Lower Upper

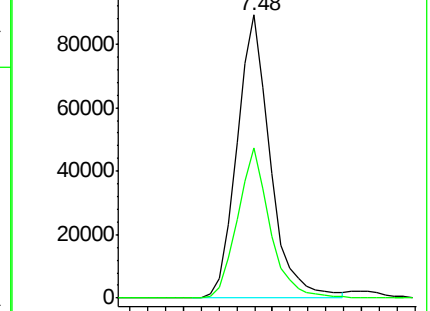
65 100

67 53.0 0.0 99.4

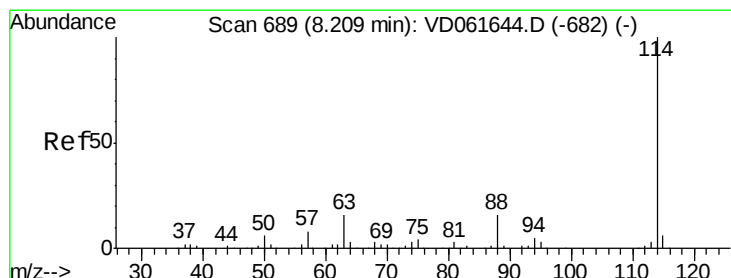
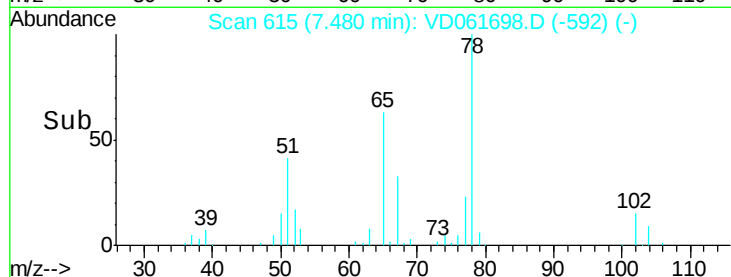


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

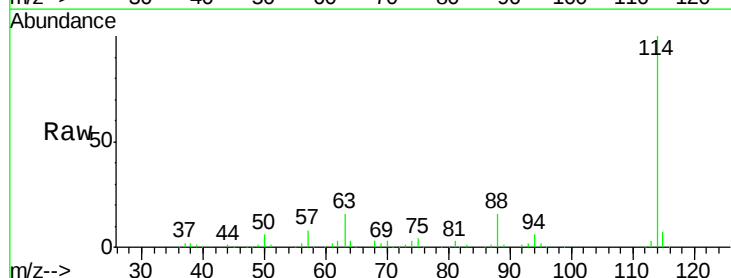
Tgt Ion: 114 Resp: 972231

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.2

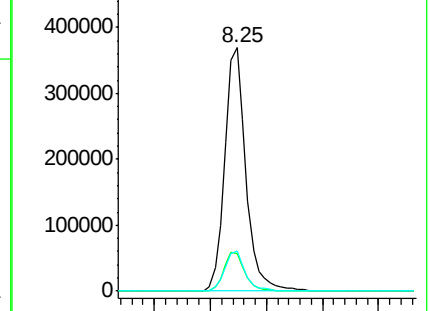
88 16.4 0.0 31.8



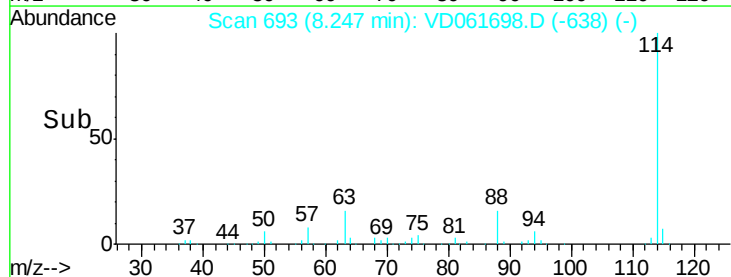
Abundance Ion 114.00 (113.70 to 114.70): V

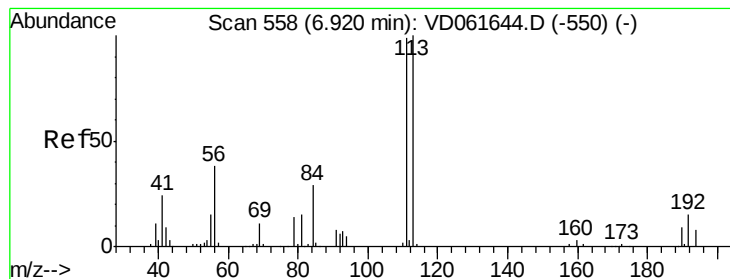
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

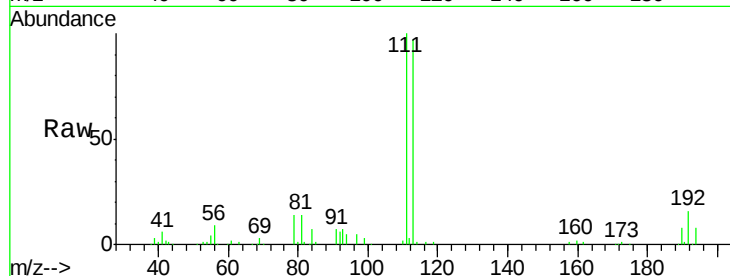
Tot Ion:113 Resp: 368250

Ion Ratio Lower Upper

113 100

111 102.9 79.3 118.9

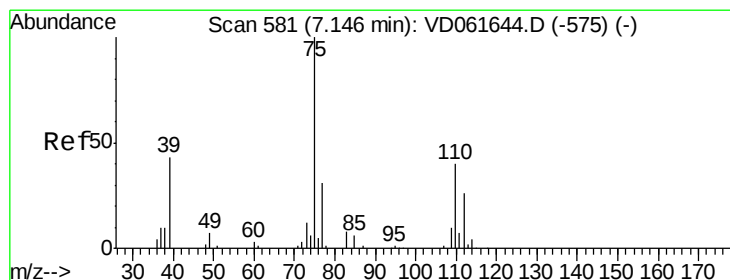
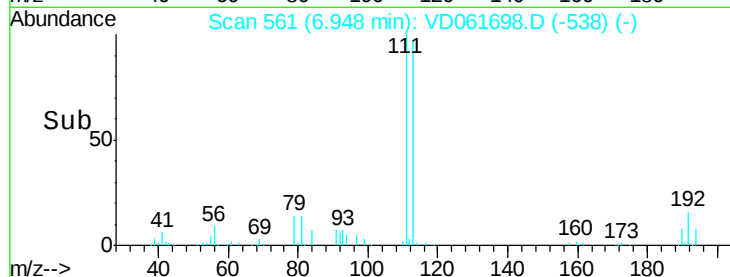
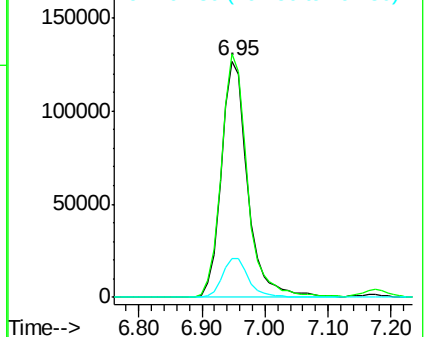
192 16.5 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 17.841 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

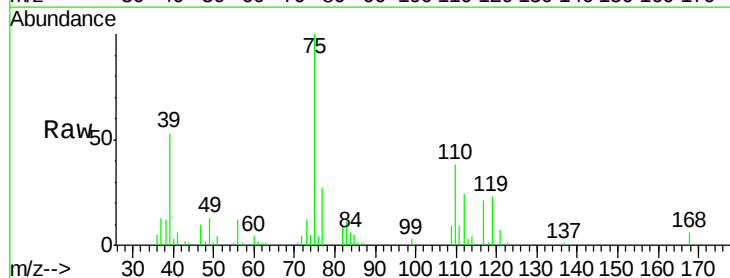
Tgt Ion: 75 Resp: 151805

Ion Ratio Lower Upper

75 100

110 37.6 19.7 59.0

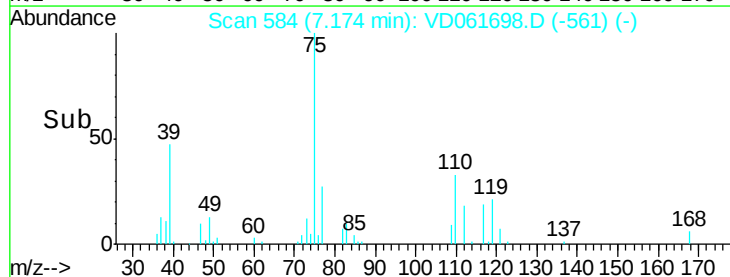
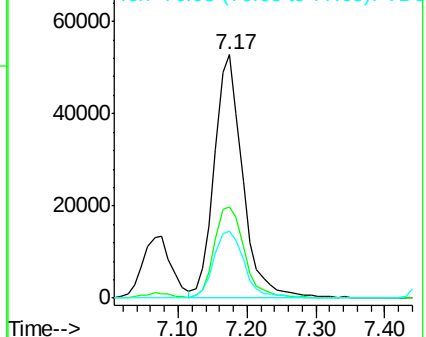
77 27.3 24.8 37.2

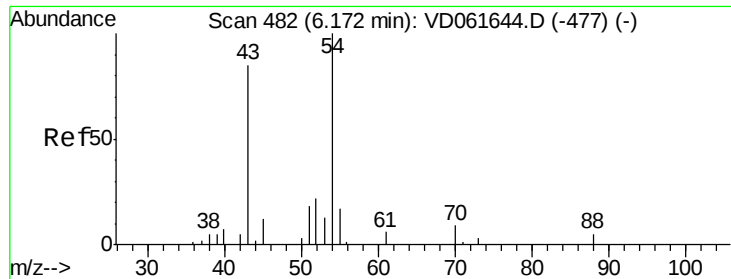


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

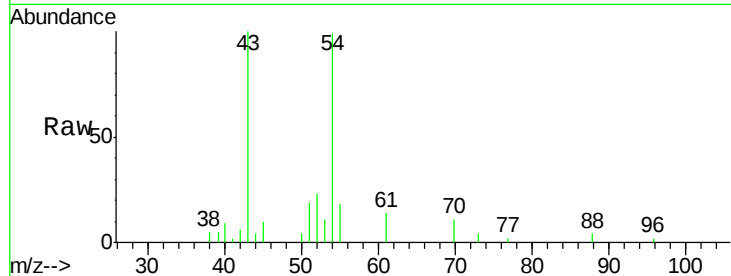




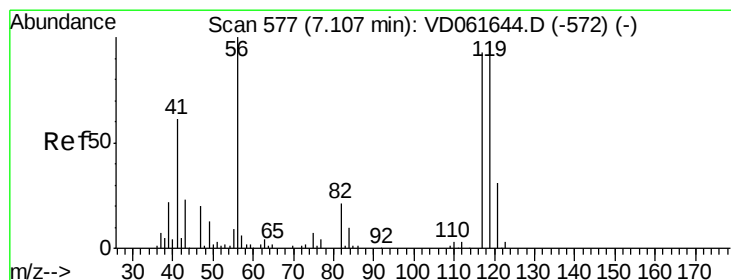
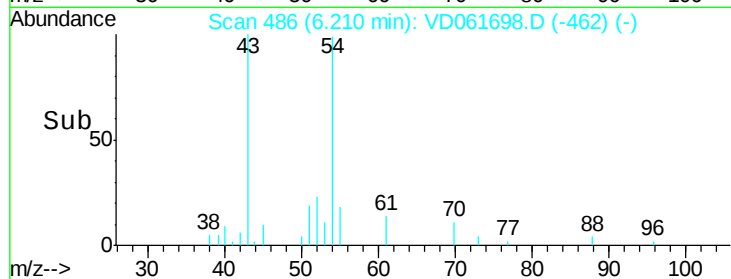
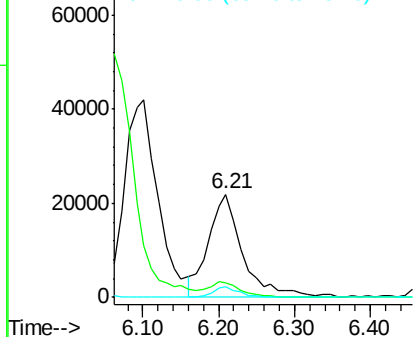
#37
Ethyl Acetate
Concen: 20.082 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

Tot Ion: 43 Resp: 69600
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.5 6.9 10.3#

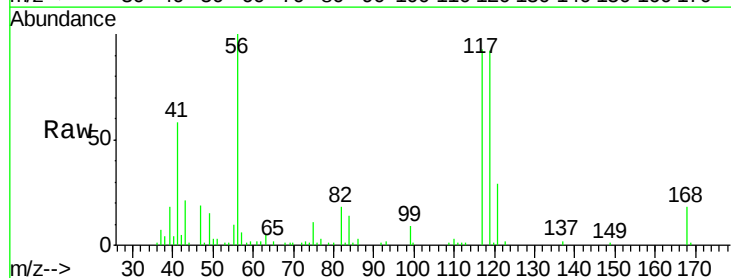


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

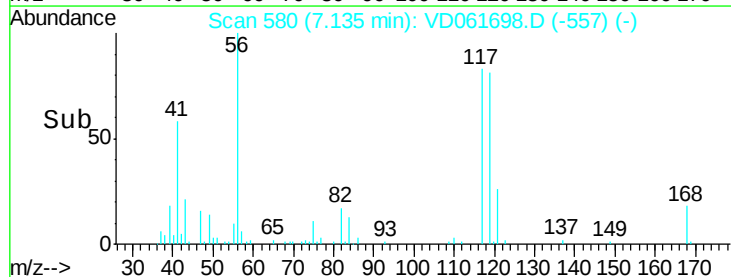
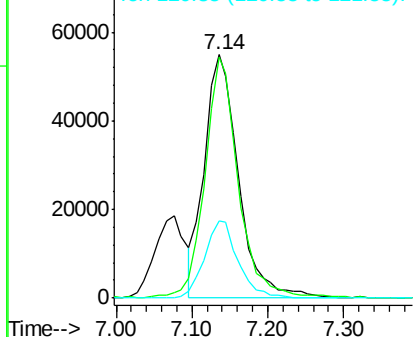


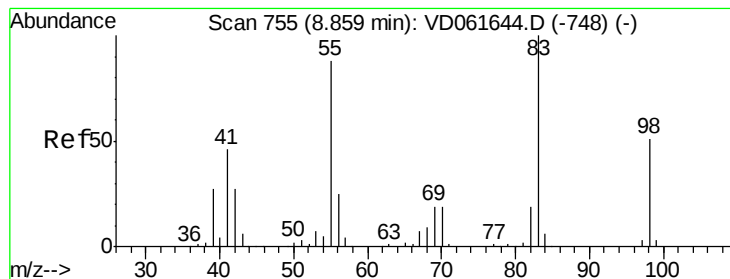
#38
Carbon Tetrachloride
Concen: 17.367 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 117 Resp: 173190
Ion Ratio Lower Upper
117 100
119 98.8 77.9 116.9
121 31.6 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 17.227 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

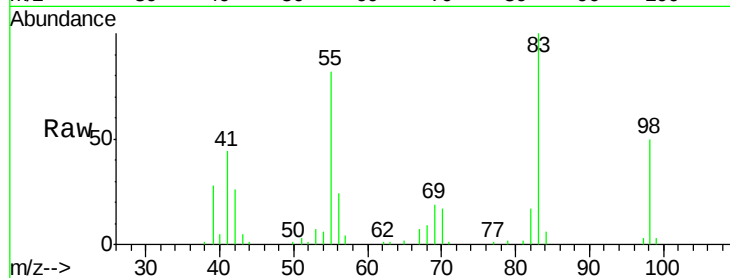
Tot Ion: 83 Resp: 150488

Ion Ratio Lower Upper

83 100

55 81.8 70.3 105.5

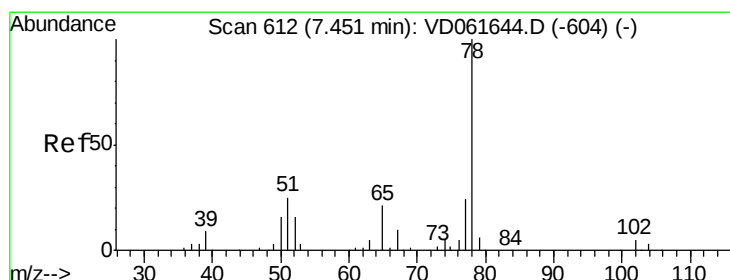
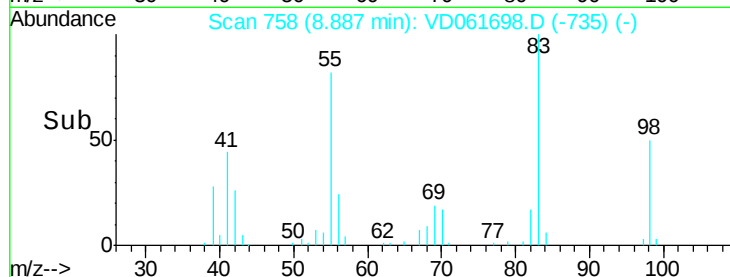
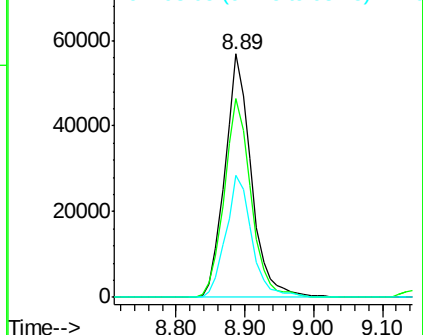
98 50.1 41.0 61.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 18.683 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061698.D

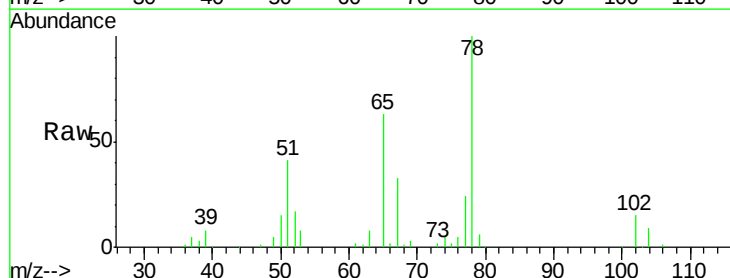
Acq: 10 Apr 2019 4:22

Tgt Ion: 78 Resp: 383516

Ion Ratio Lower Upper

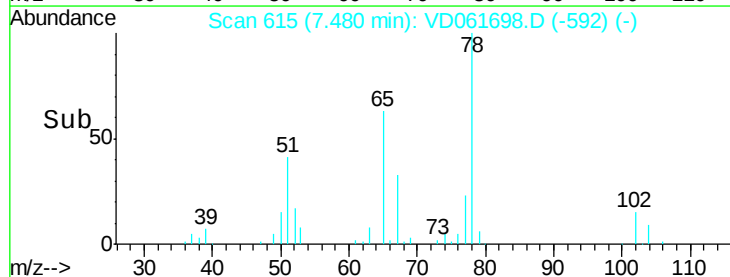
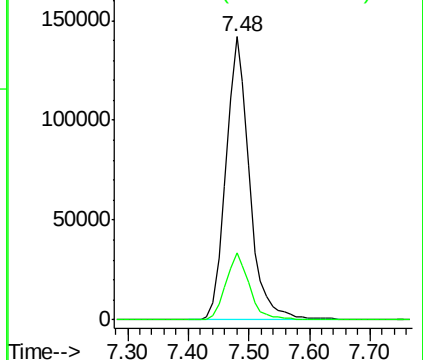
78 100

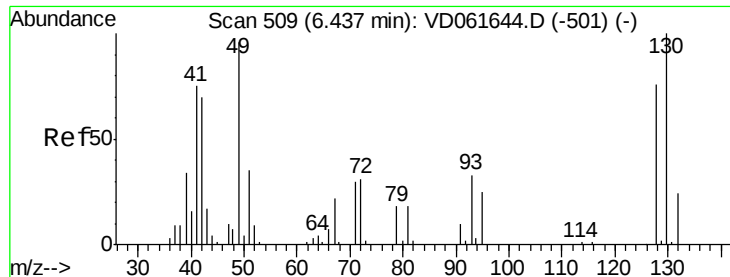
77 23.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

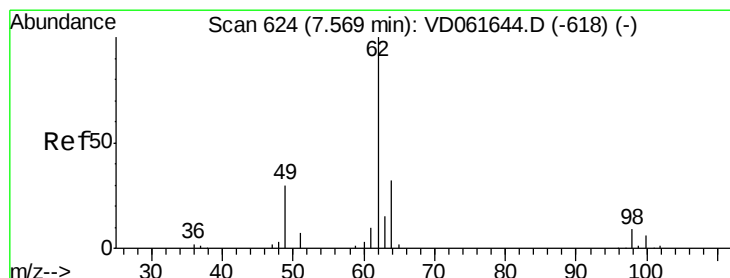
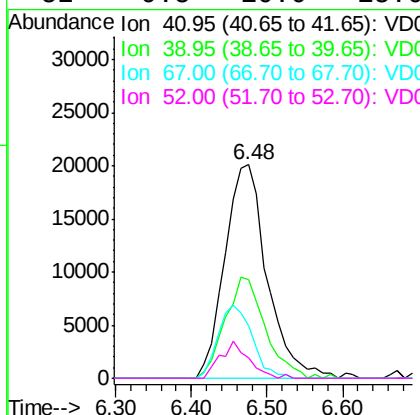
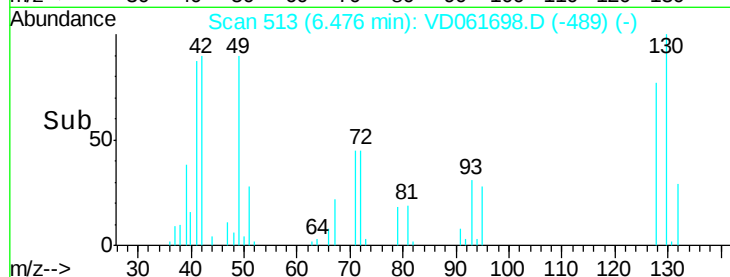
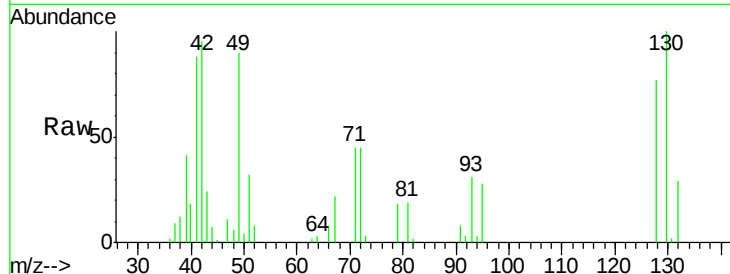




#41
Methacrylonitrile
Concen: 19.209 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

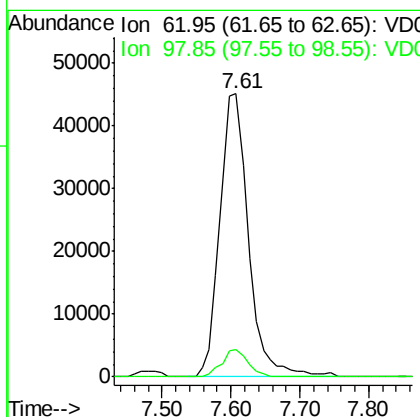
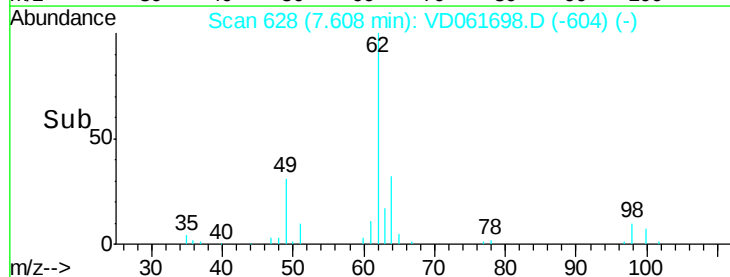
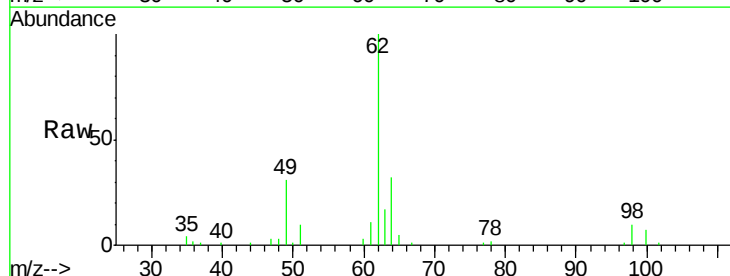
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

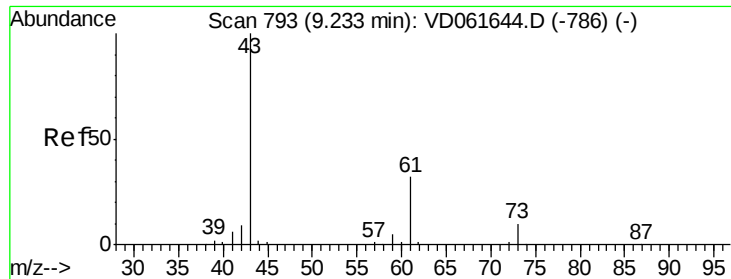
Tot Ion: 41 Resp: 77717
Ion Ratio Lower Upper
41 100
39 45.9 36.2 54.2
67 24.8 23.2 34.8
52 9.5 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 20.152 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 62 Resp: 130092
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.728 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

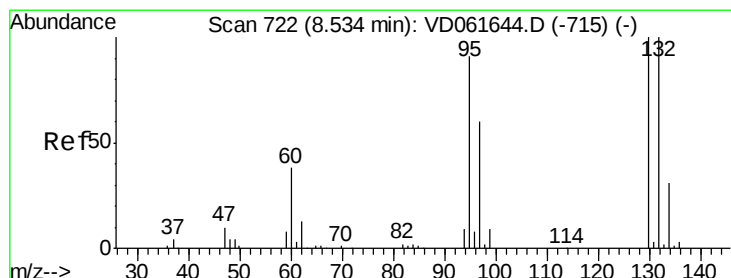
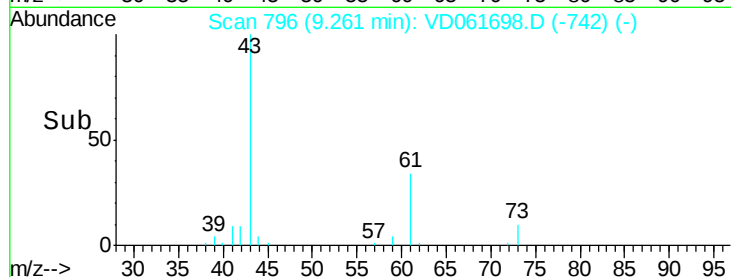
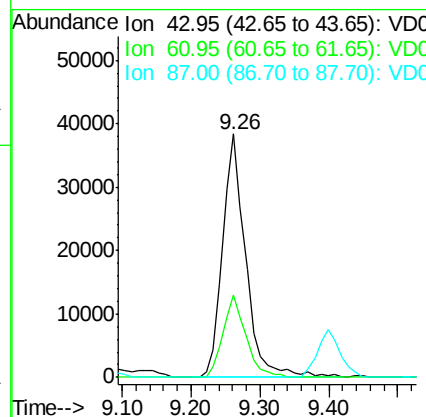
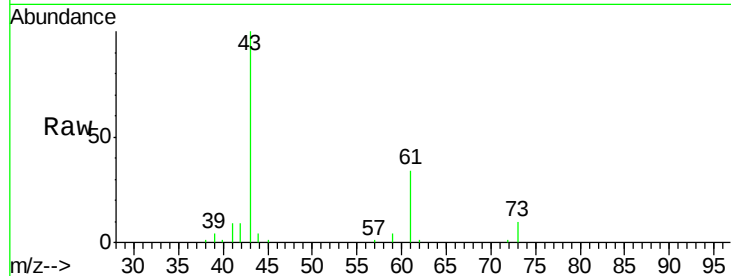
Tot Ion: 43 Resp: 89171

Ion Ratio Lower Upper

43 100

61 34.0 25.9 38.9

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 19.324 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.03 min

Lab File: VD061698.D

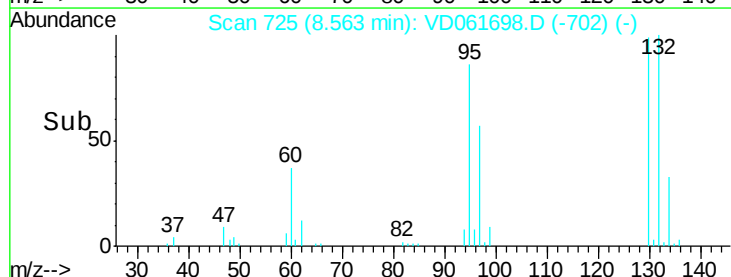
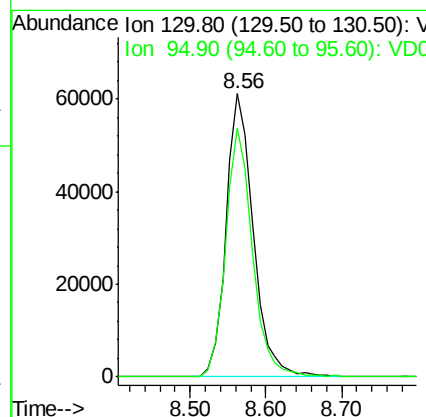
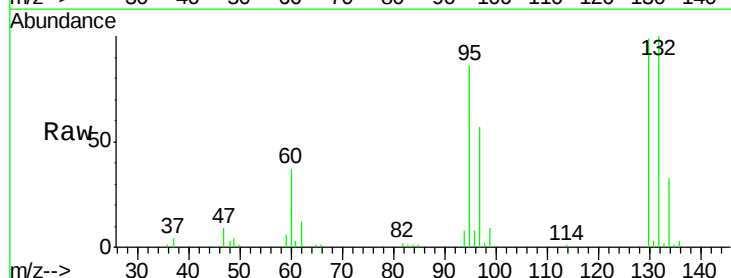
Acq: 10 Apr 2019 4:22

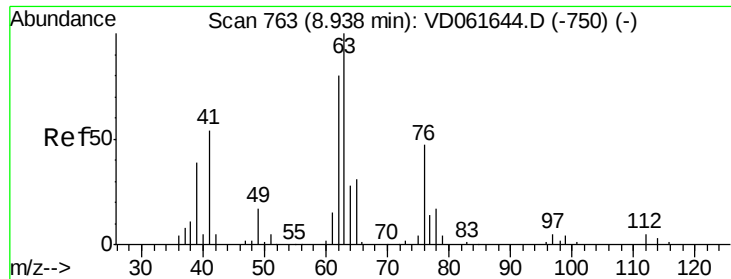
Tgt Ion:130 Resp: 152073

Ion Ratio Lower Upper

130 100

95 87.7 0.0 181.8





#45

1,2-Dichloropropane

Concen: 20.235 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

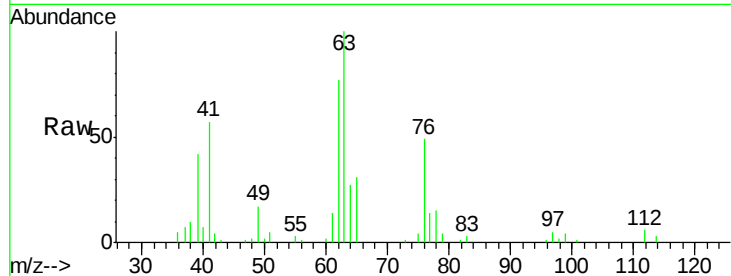
VD0409SBSD02

Tot Ion: 63 Resp: 103011

Ion Ratio Lower Upper

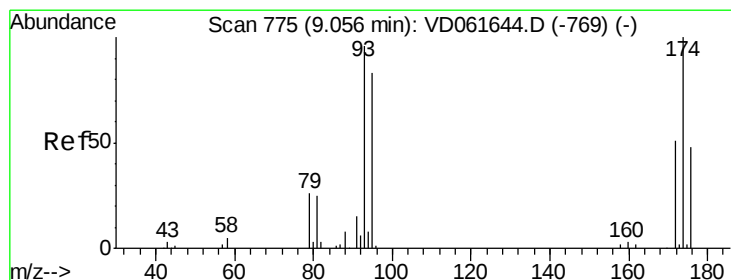
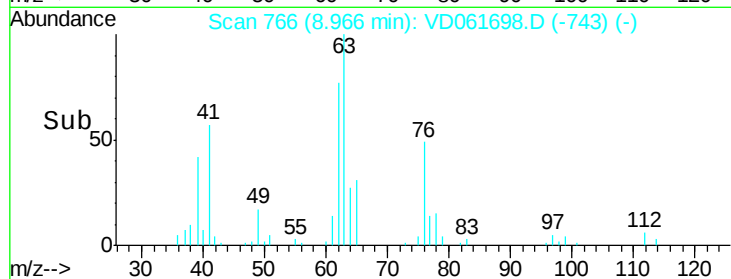
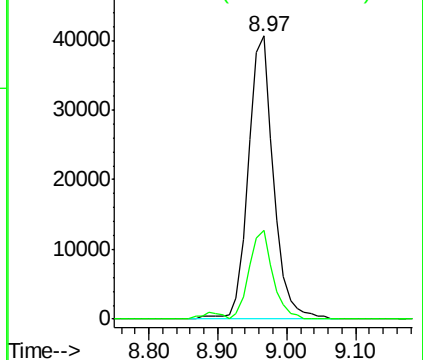
63 100

65 31.4 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.636 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

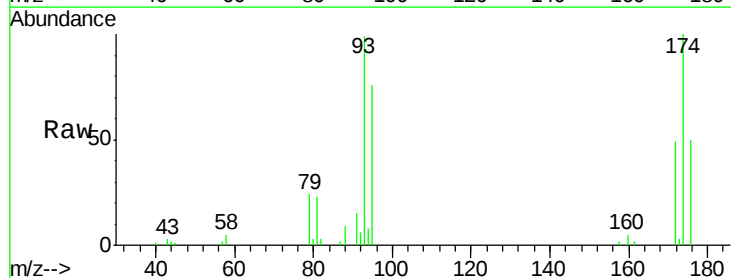
Tgt Ion: 93 Resp: 71442

Ion Ratio Lower Upper

93 100

95 77.0 68.6 103.0

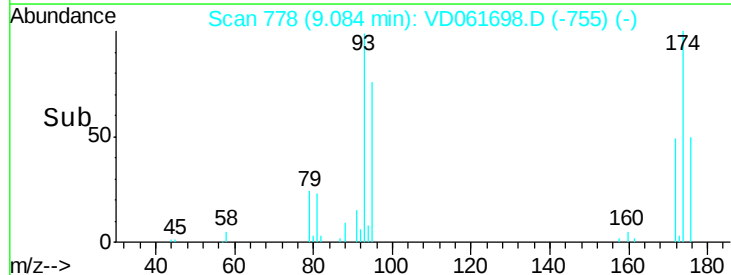
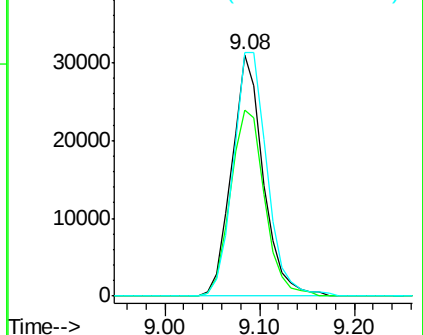
174 100.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.405 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

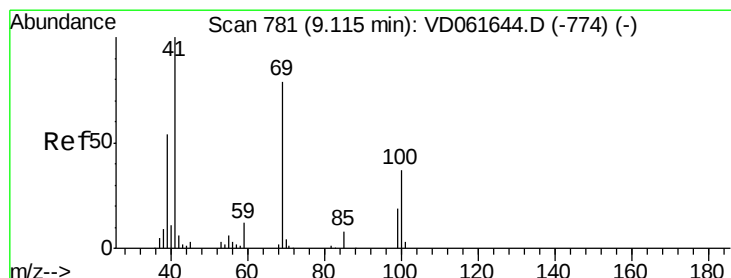
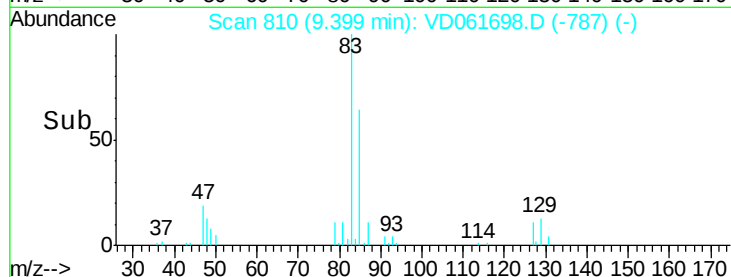
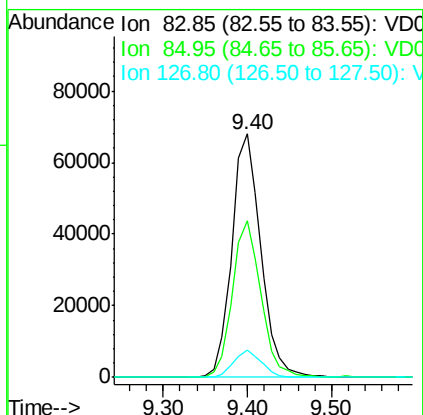
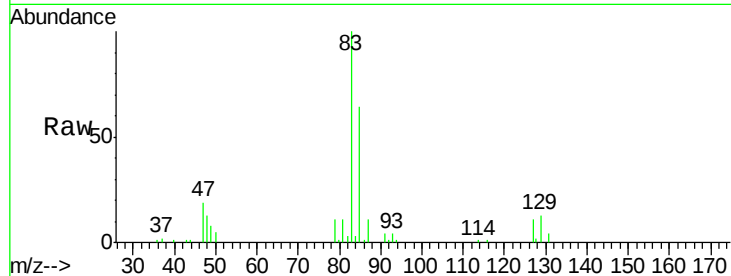
Tot Ion: 83 Resp: 163054

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

127 11.1 9.0 13.6



#48

Methyl methacrylate

Concen: 18.072 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

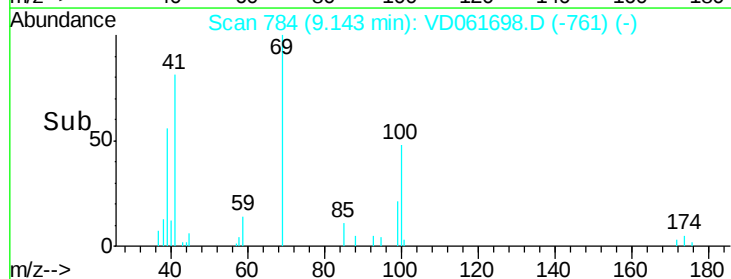
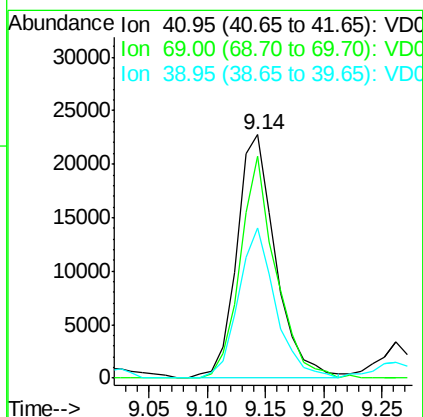
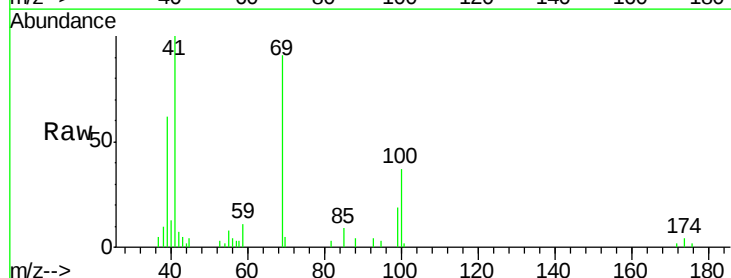
Tgt Ion: 41 Resp: 52396

Ion Ratio Lower Upper

41 100

69 91.0 63.1 94.7

39 61.6 43.8 65.8

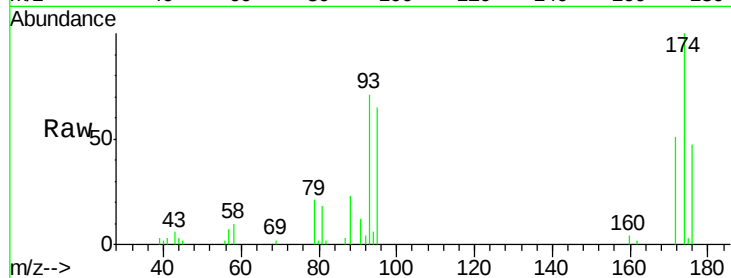




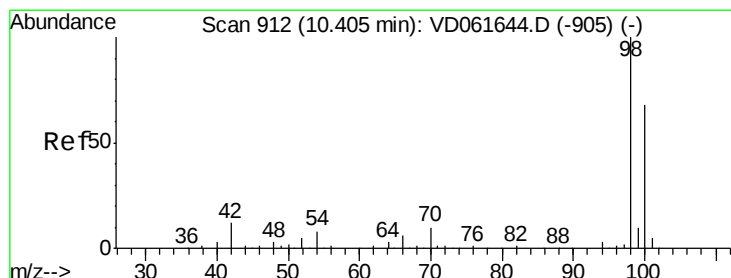
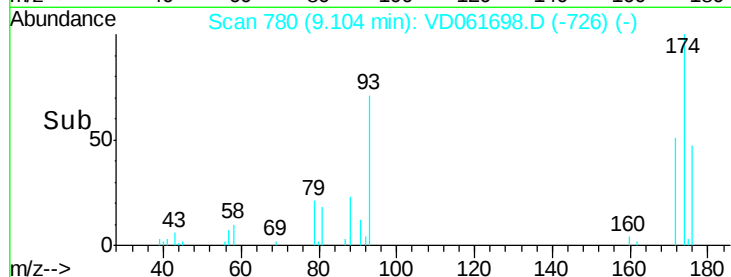
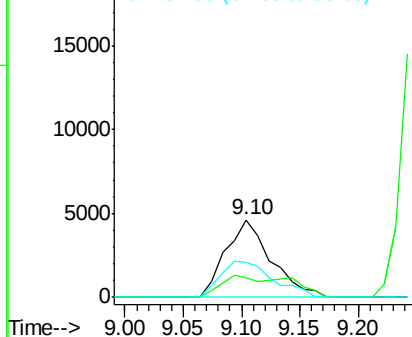
#49
1,4-Dioxane
Concen: 389.589 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

Tot Ion: 88 Resp: 12468
Ion Ratio Lower Upper
88 100
43 25.4 21.8 32.8
58 45.4 40.2 60.2

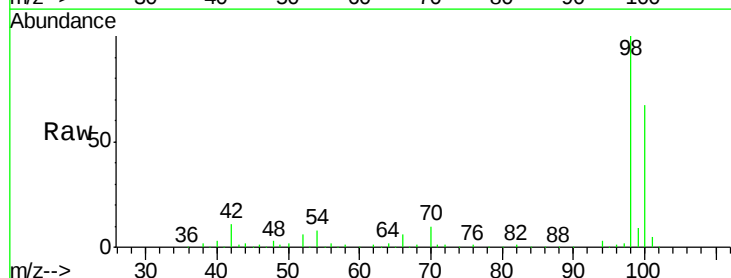


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

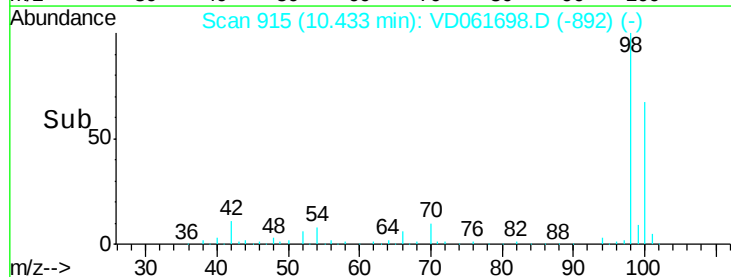
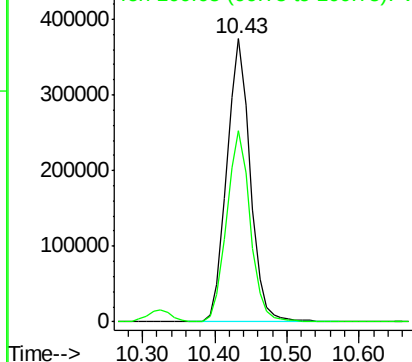


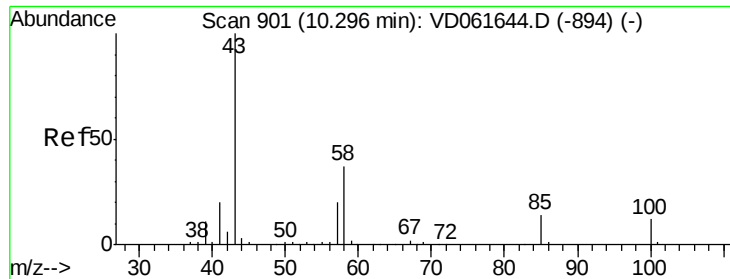
#50
Toluene-d8
Concen: 389.589 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 98 Resp: 847144
Ion Ratio Lower Upper
98 100
100 67.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.395 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleID :

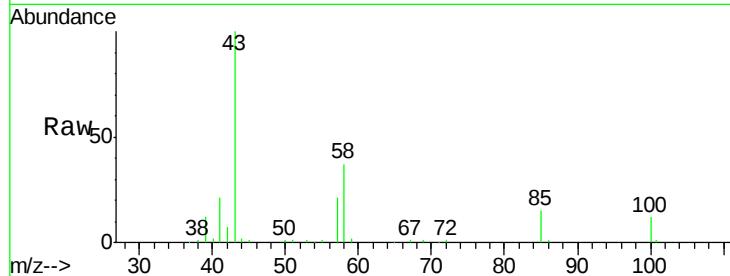
VD0409SBS02

Tot Ion: 43 Resp: 298637

Ion Ratio Lower Upper

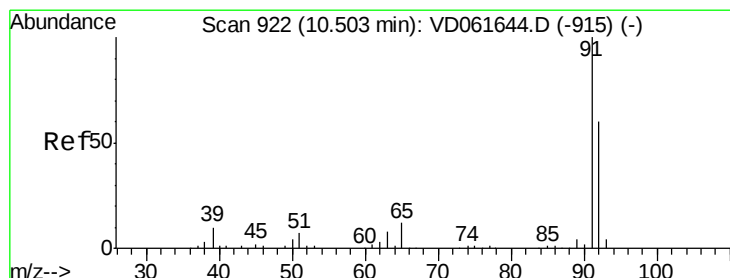
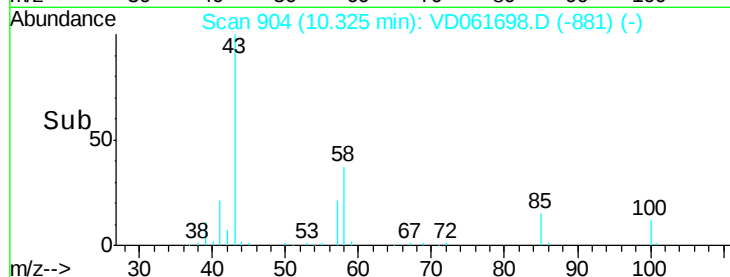
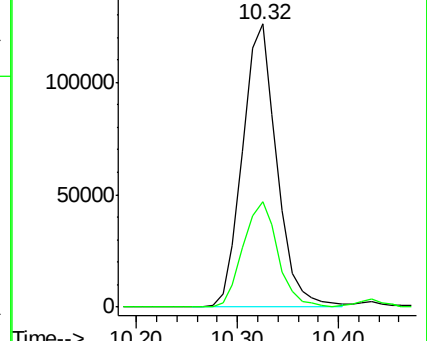
43 100

58 37.3 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.003 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061698.D

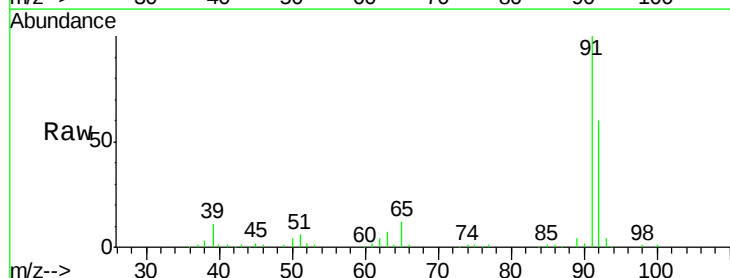
Acq: 10 Apr 2019 4:22

Tgt Ion: 92 Resp: 269215

Ion Ratio Lower Upper

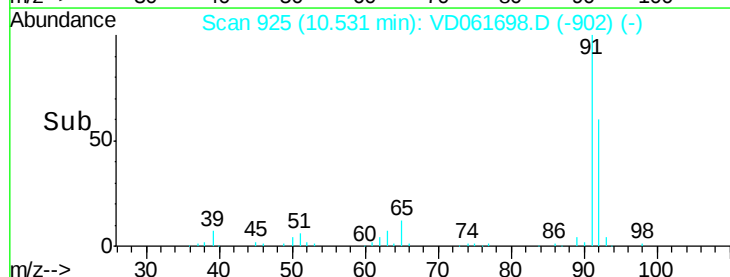
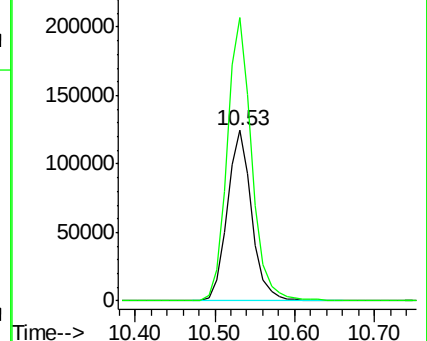
92 100

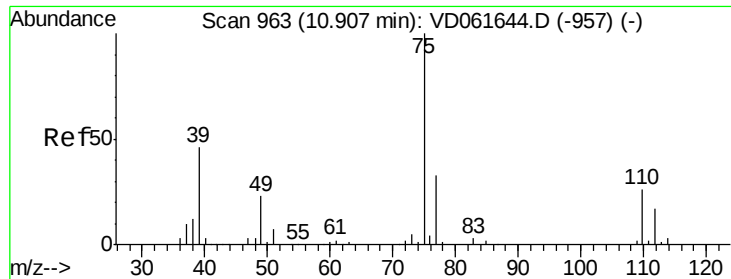
91 166.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

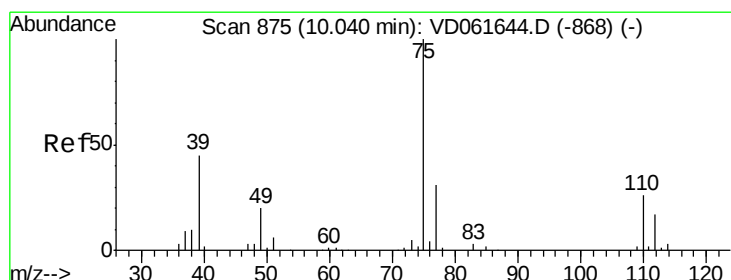
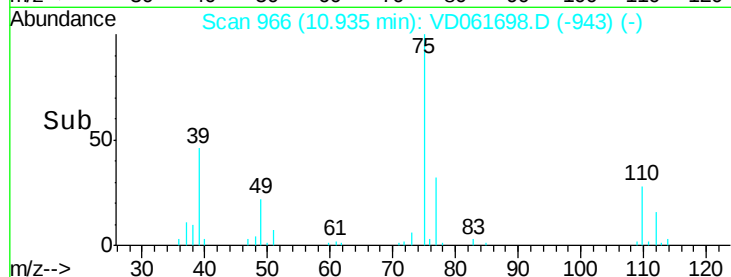
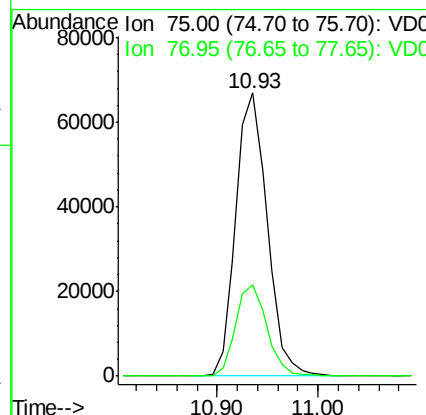
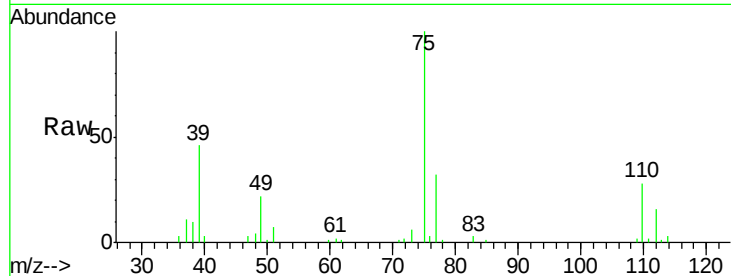




#53
t-1,3-Dichloropropene
Concen: 20.720 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

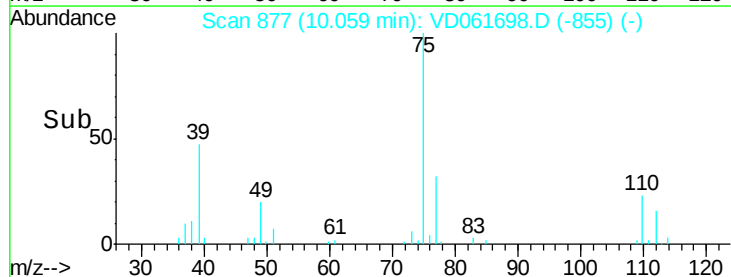
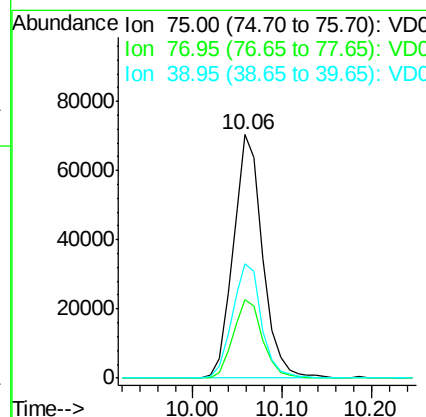
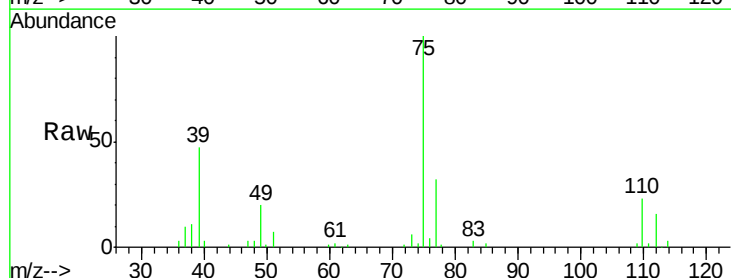
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

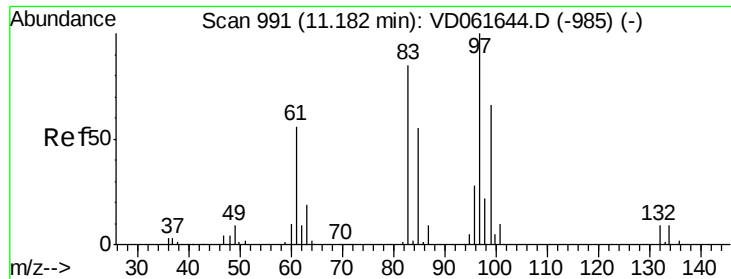
Tot Ion: 75 Resp: 145136
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 18.760 ug/l
RT: 10.06 min Scan# 877
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 75 Resp: 161983
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0
39 46.9 36.2 54.2

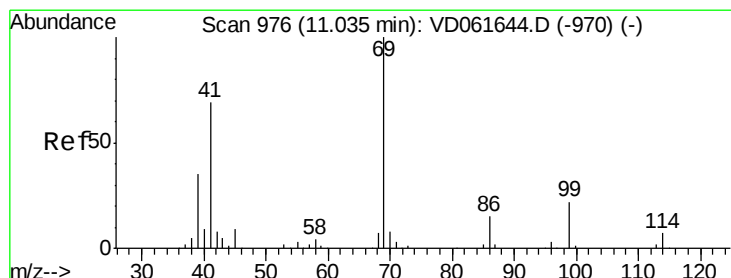
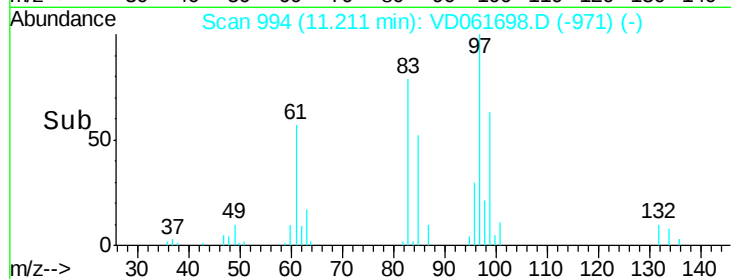
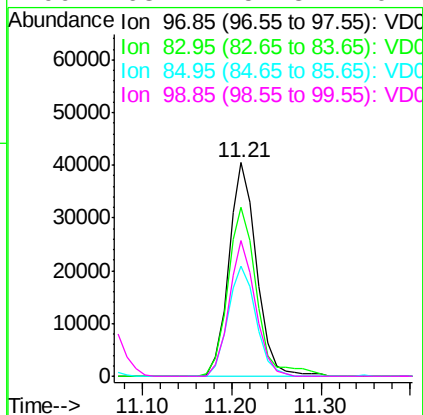
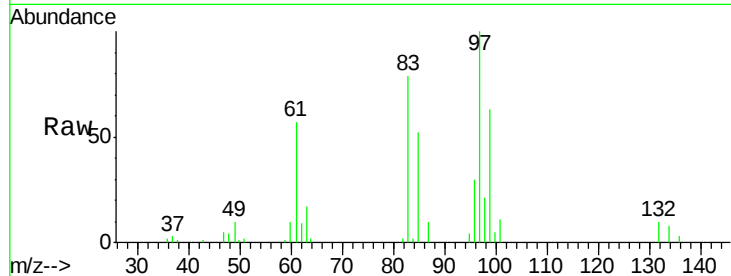




#55
 1,1,2-Trichloroethane
 Concen: 20.390 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

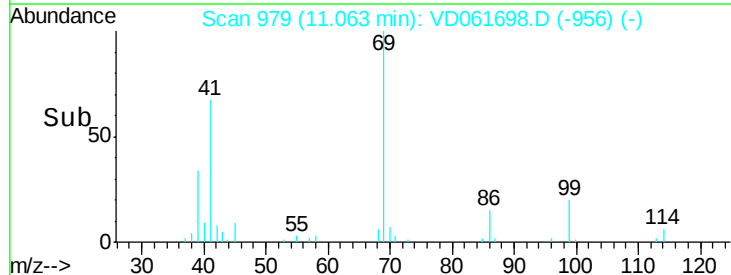
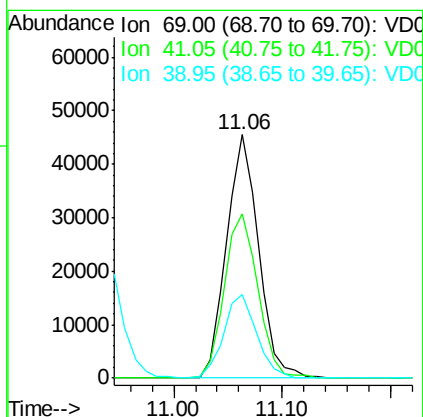
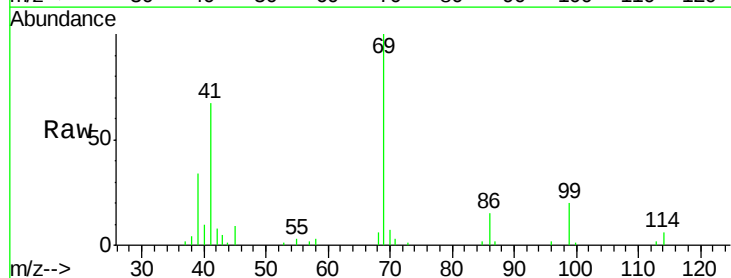
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

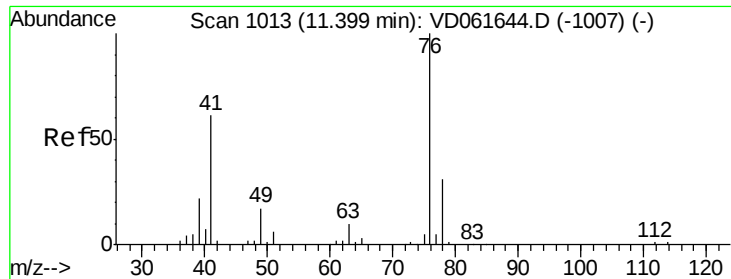
Tot Ion:	97	Resp:	88151
Ion	Ratio	Lower	Upper
97	100		
83	79.4	67.8	101.6
85	51.7	43.8	65.8
99	63.4	52.8	79.2



#56
 Ethyl methacrylate
 Concen: 20.519 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:	69	Resp:	93581
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.2	82.8
39	34.2	28.6	43.0

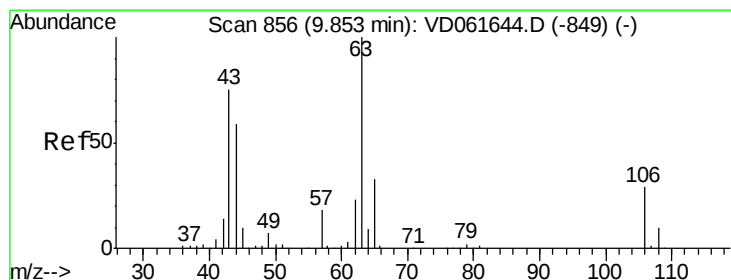
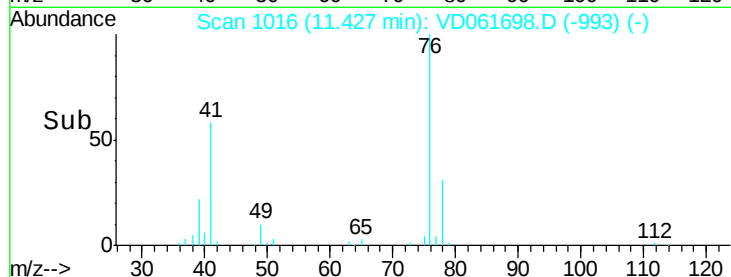
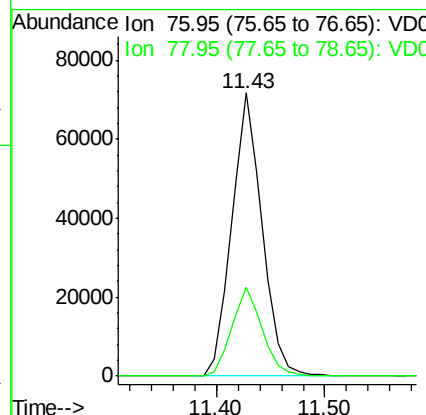
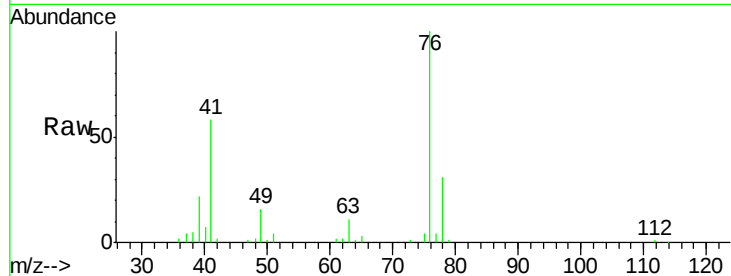




#57
 1,3-Dichloropropane
 Concen: 21.967 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

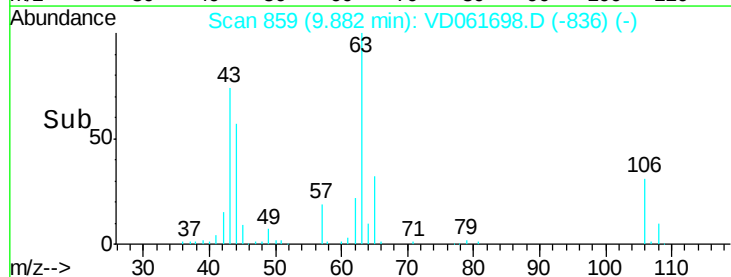
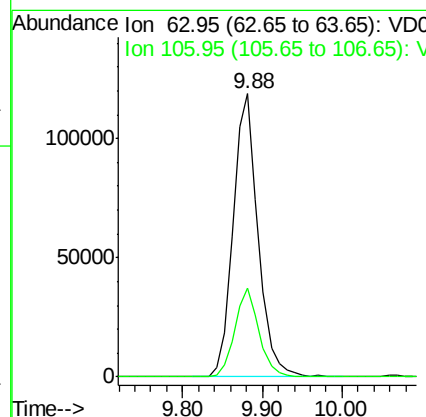
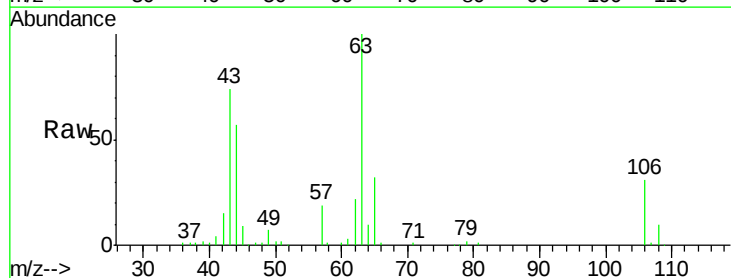
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

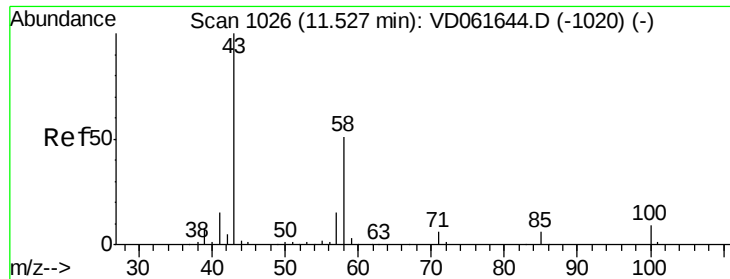
Tot Ion: 76 Resp: 139073
 Ion Ratio Lower Upper
 76 100
 78 31.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.546 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 63 Resp: 259407
 Ion Ratio Lower Upper
 63 100
 106 31.5 23.0 34.6

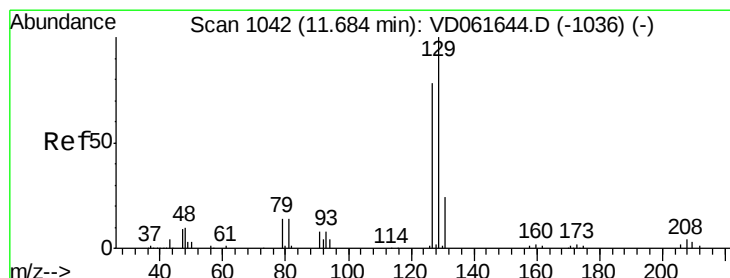
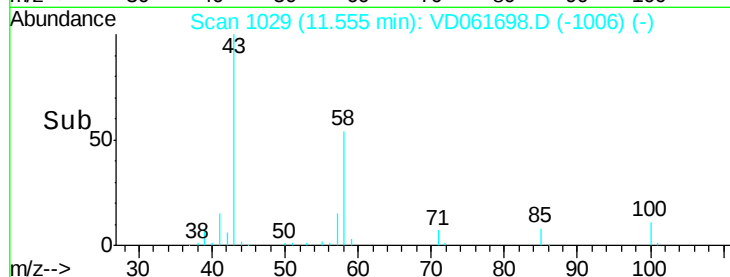
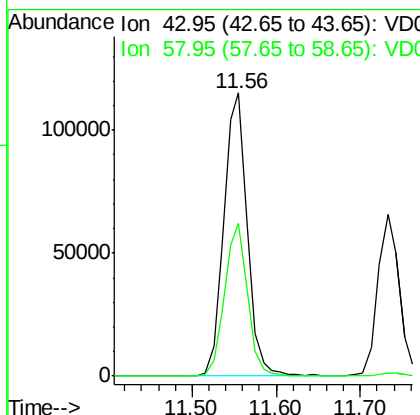
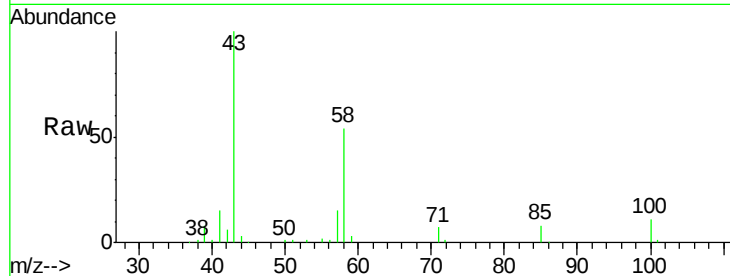




#59
2-Hexanone
Concen: 95.861 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

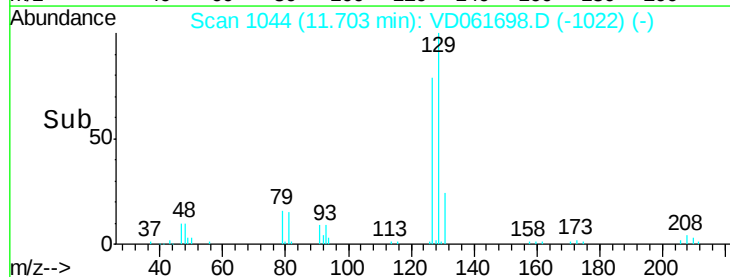
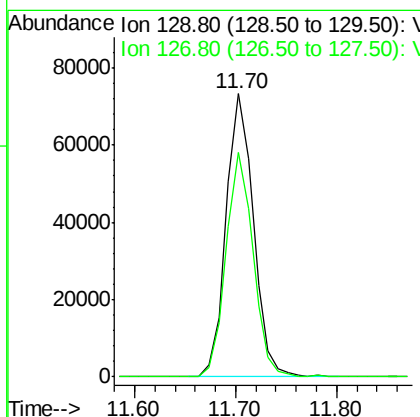
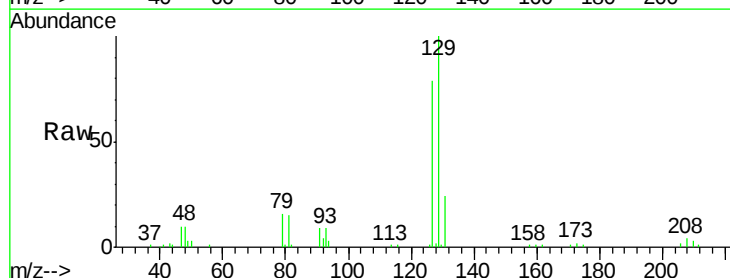
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

Tot Ion: 43 Resp: 221299
Ion Ratio Lower Upper
43 100
58 54.1 25.6 76.8



#60
Dibromochloromethane
Concen: 20.154 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 129 Resp: 137654
Ion Ratio Lower Upper
129 100
127 79.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.898 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

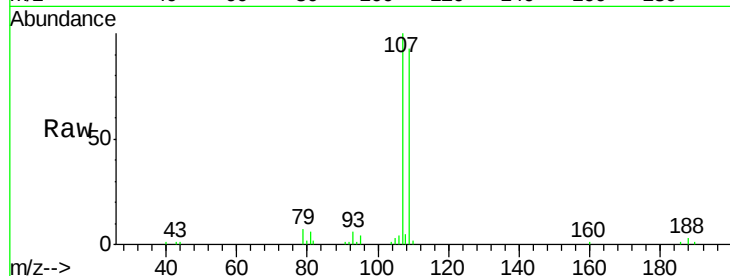
VD0409SBSD02

Tot Ion: 107 Resp: 105657

Ion Ratio Lower Upper

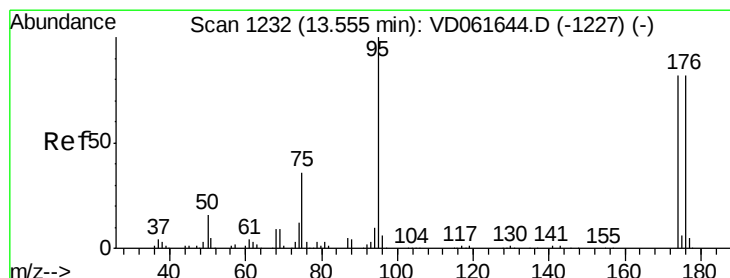
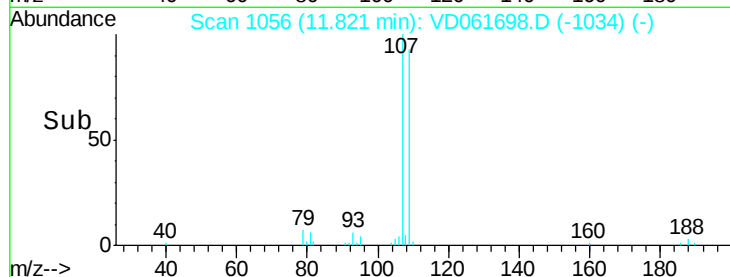
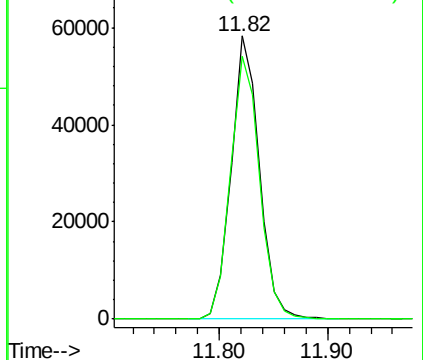
107 100

109 92.8 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.898 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

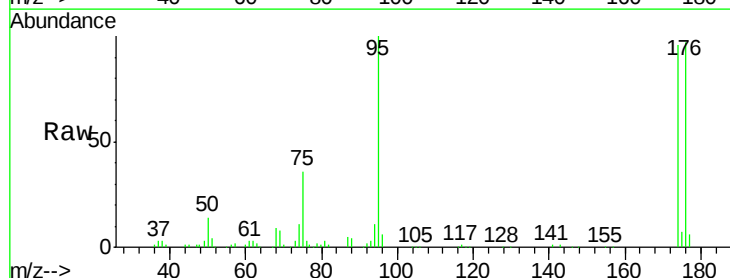
Tgt Ion: 95 Resp: 315259

Ion Ratio Lower Upper

95 100

174 95.6 0.0 164.6

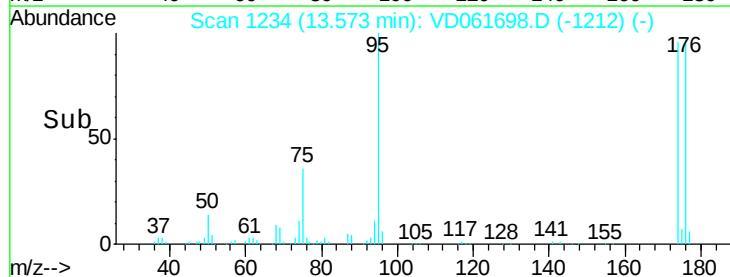
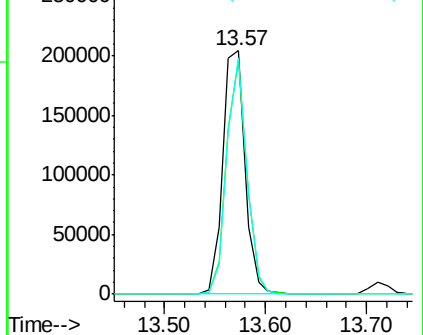
176 97.1 0.0 165.0

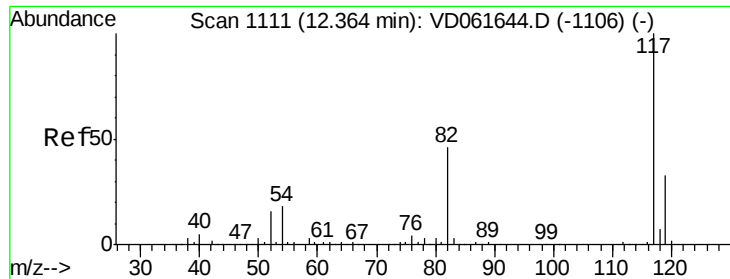


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

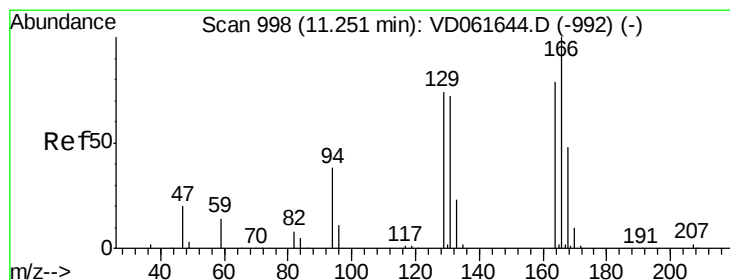
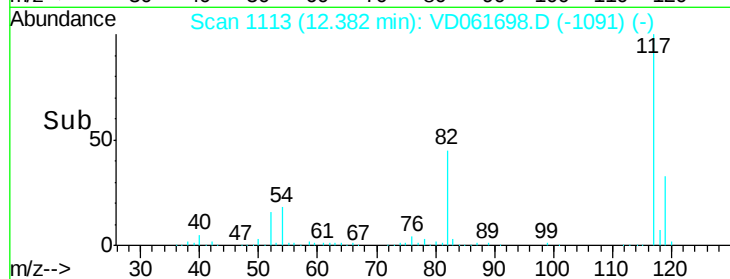
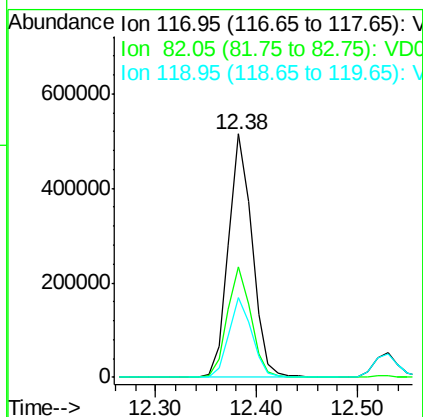
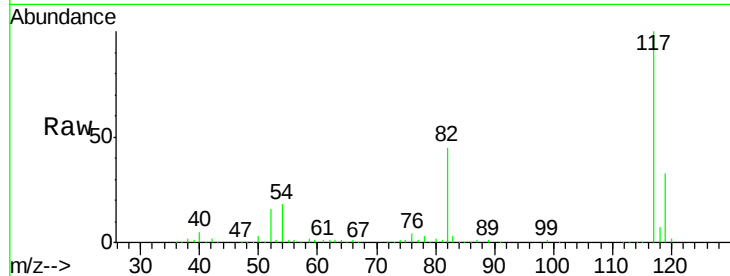




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

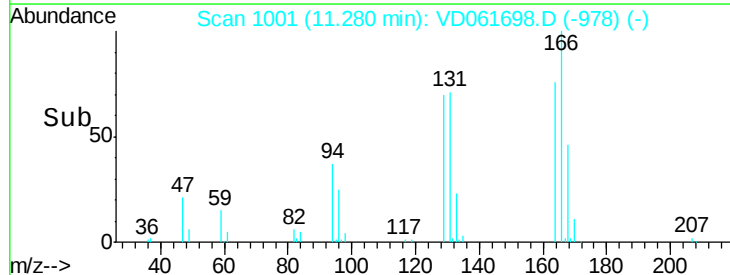
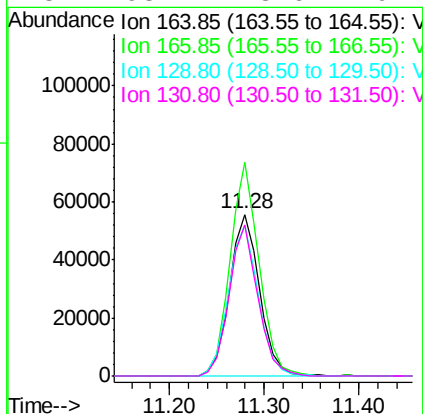
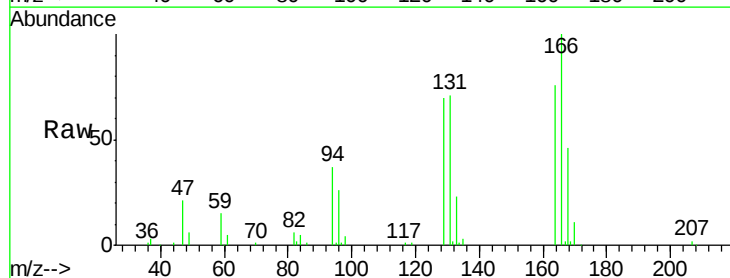
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

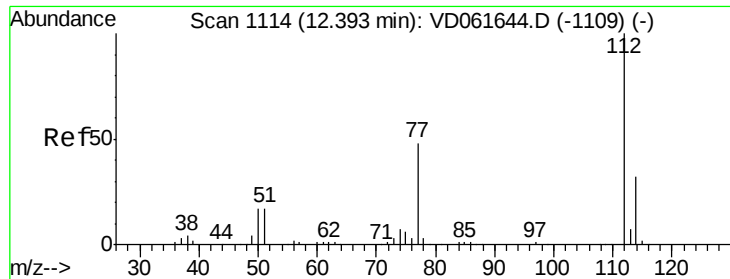
Tot Ion:117 Resp: 839173
Ion Ratio Lower Upper
117 100
82 45.4 36.8 55.2
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 18.659 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:164 Resp: 121542
Ion Ratio Lower Upper
164 100
166 132.2 101.8 152.8
129 93.1 75.4 113.0
131 93.2 73.6 110.4

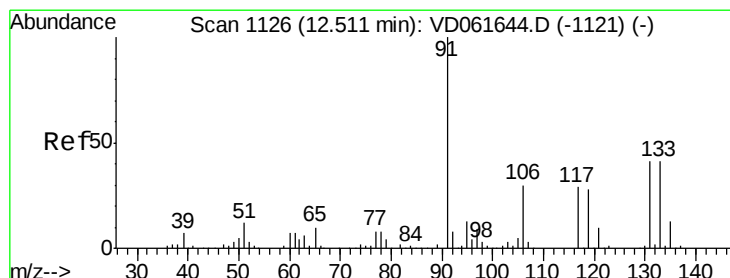
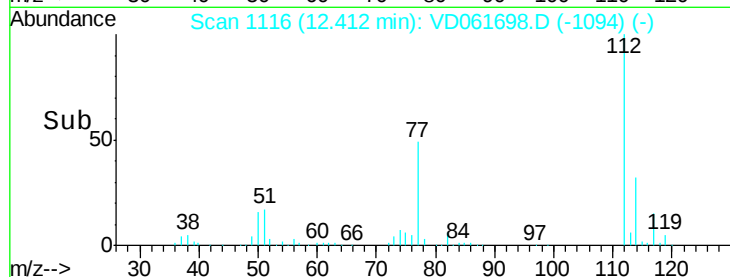
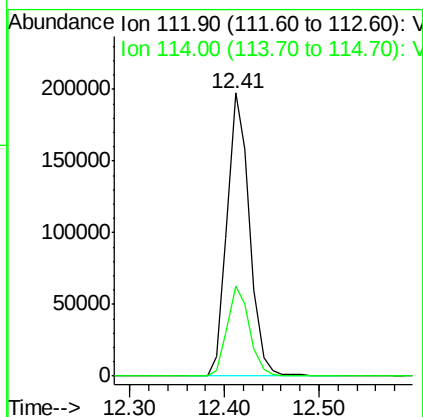
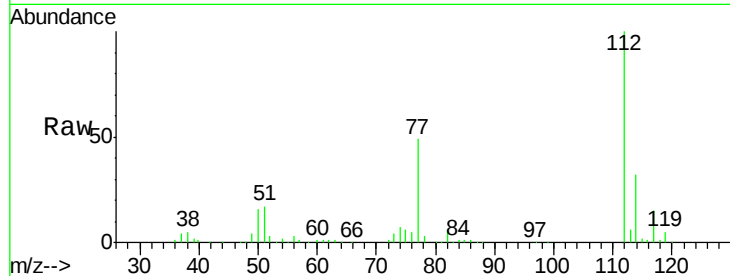




#65
Chlorobenzene
Concen: 19.420 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

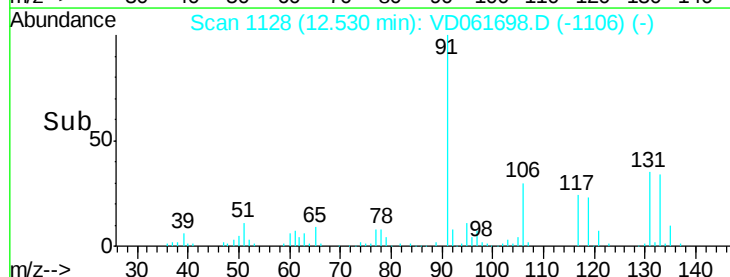
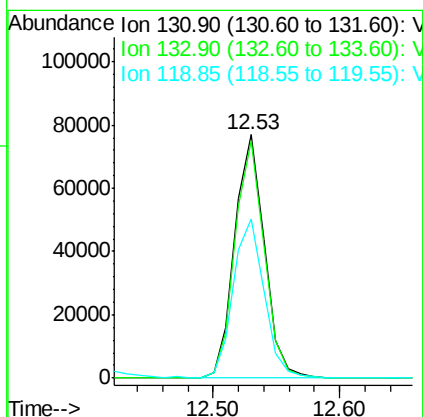
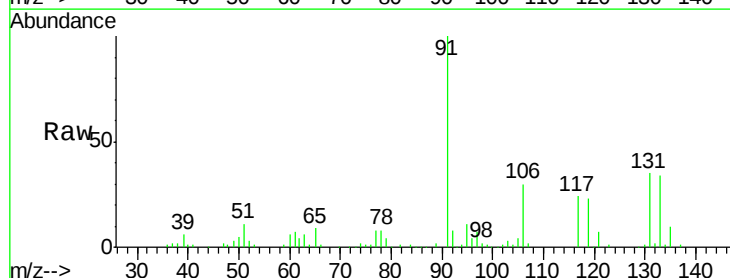
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

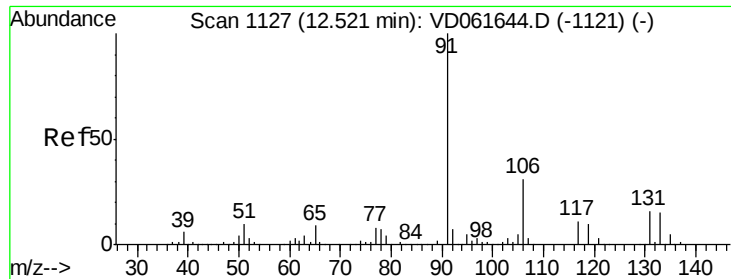
Tot Ion:112 Resp: 323191
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.536 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:131 Resp: 125104
Ion Ratio Lower Upper
131 100
133 97.3 49.5 148.3
119 65.6 34.7 104.1

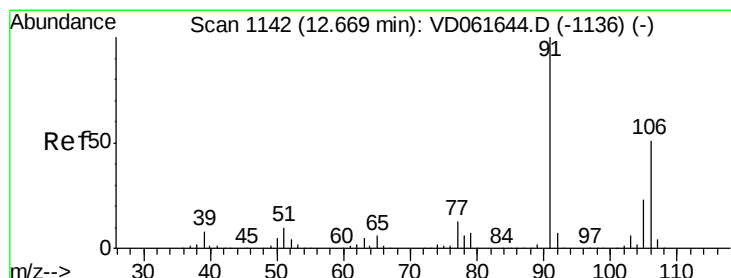
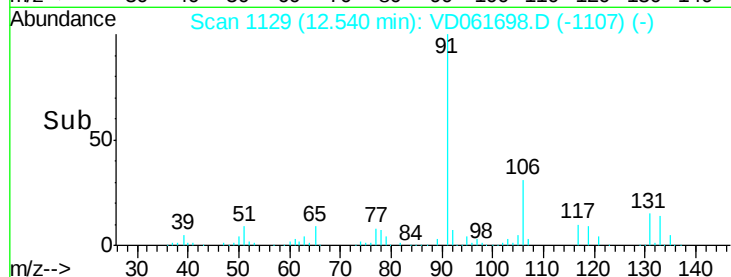
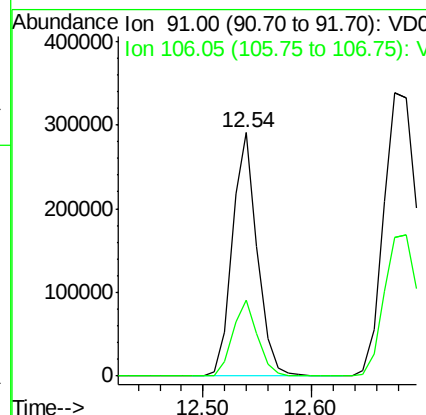
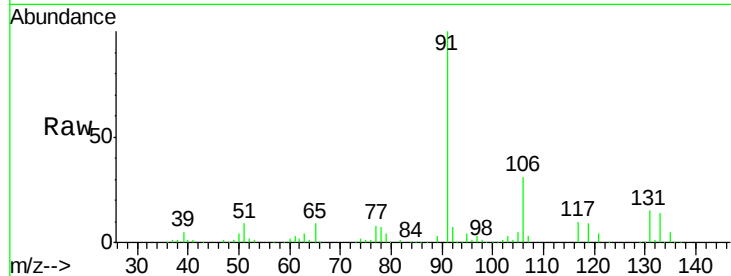




#67
Ethyl Benzene
Concen: 18.274 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

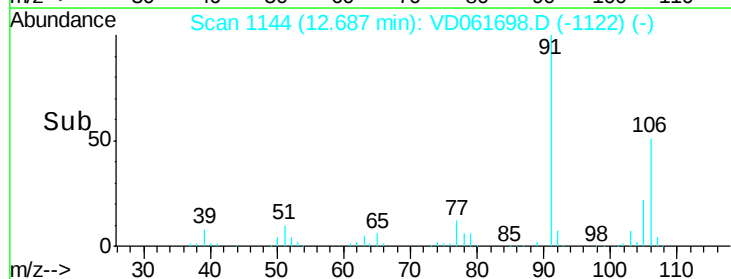
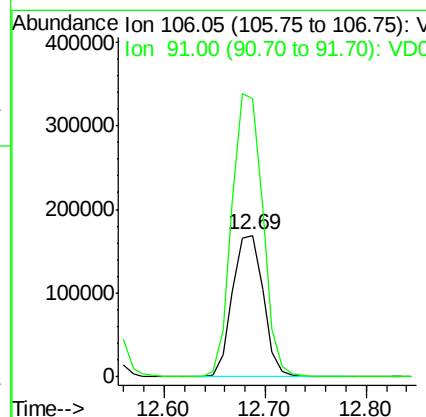
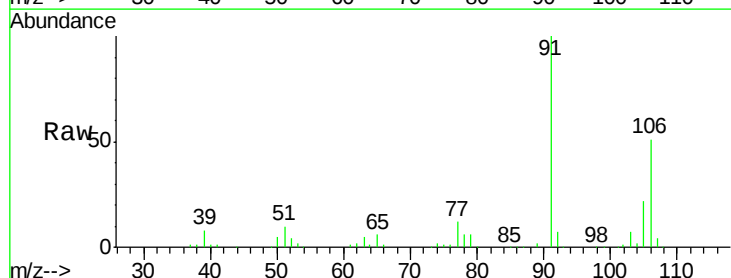
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

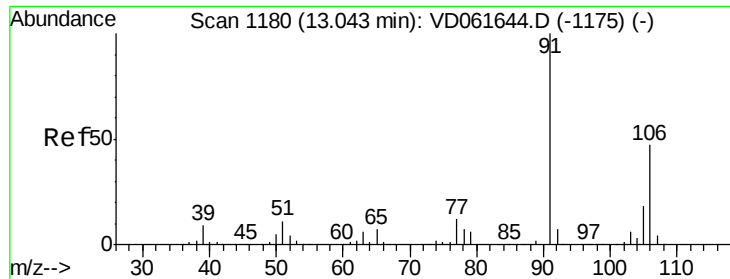
Tot Ion: 91 Resp: 463086
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 36.822 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 106 Resp: 359747
Ion Ratio Lower Upper
106 100
91 197.0 156.7 235.1

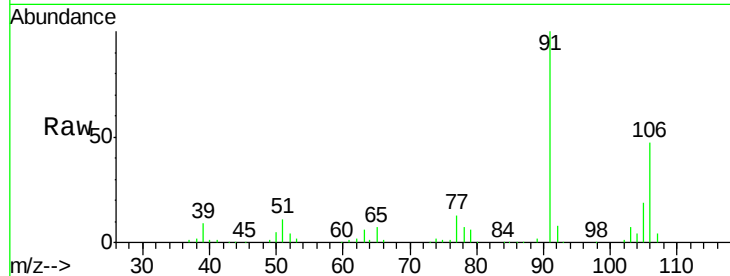




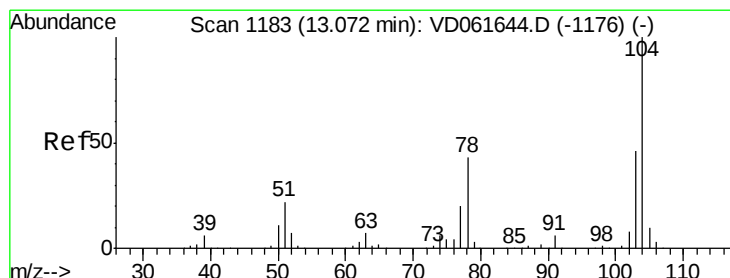
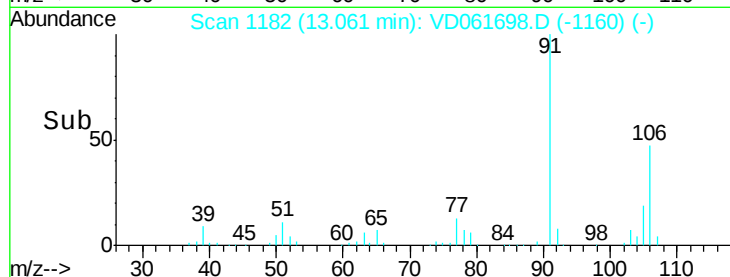
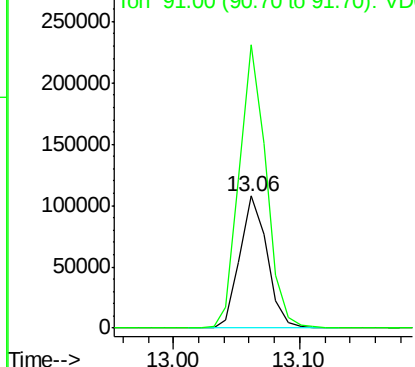
#69
o-Xylene
Concen: 17.149 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

Tot Ion:106 Resp: 161728
Ion Ratio Lower Upper
106 100
91 214.2 107.3 321.9

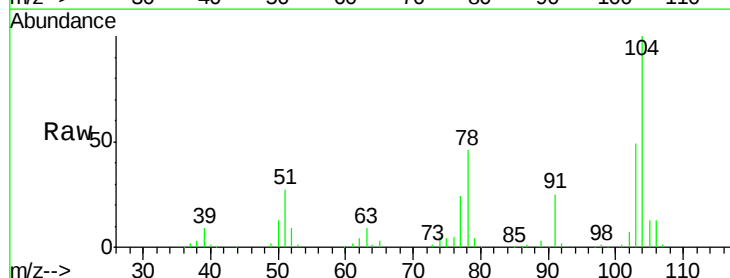


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

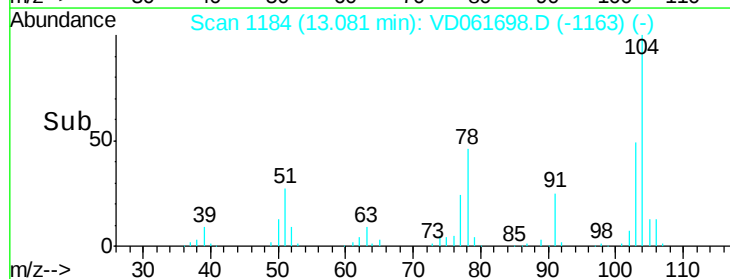
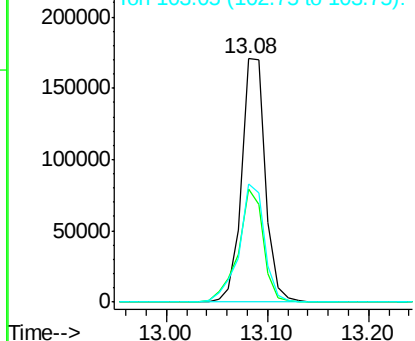


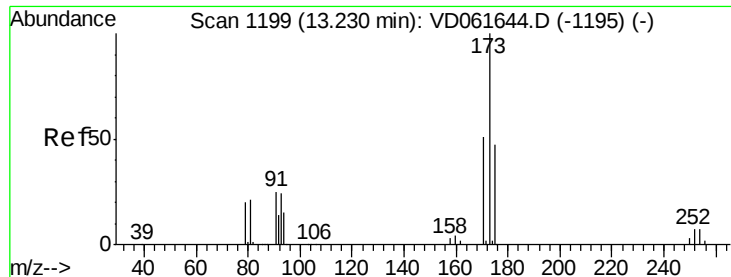
#70
Styrene
Concen: 17.368 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:104 Resp: 279724
Ion Ratio Lower Upper
104 100
78 46.5 34.2 51.4
103 48.6 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.614 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

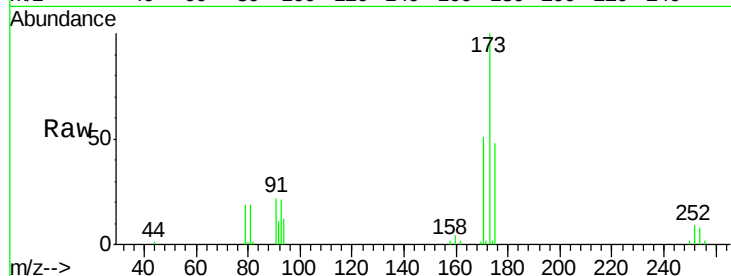
Tot Ion:173 Resp: 81907

Ion Ratio Lower Upper

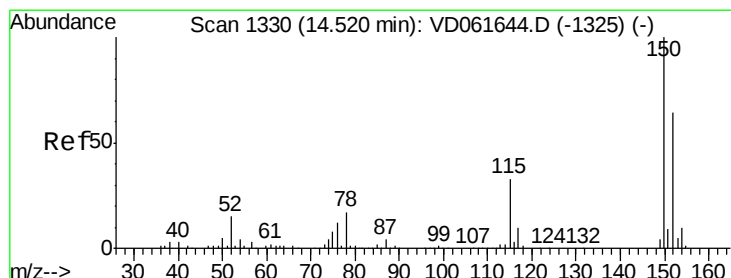
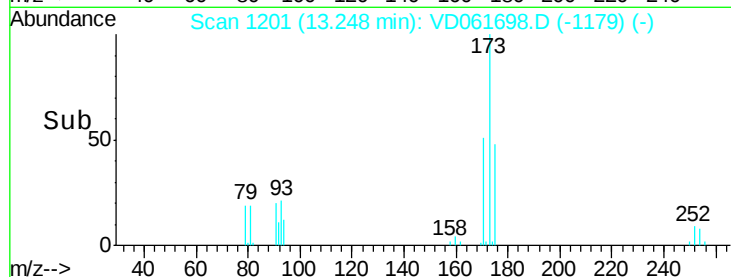
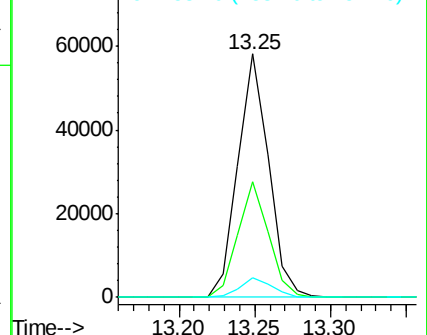
173 100

175 47.6 23.7 71.1

254 8.0 5.8 8.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

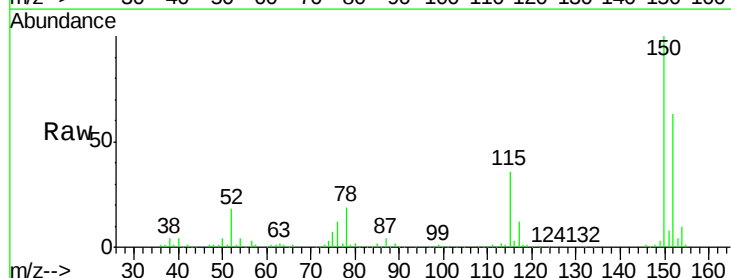
Tgt Ion:152 Resp: 391871

Ion Ratio Lower Upper

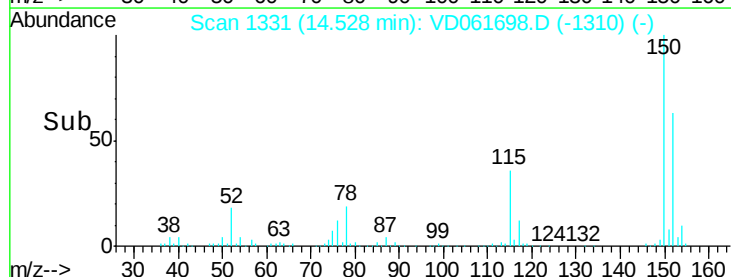
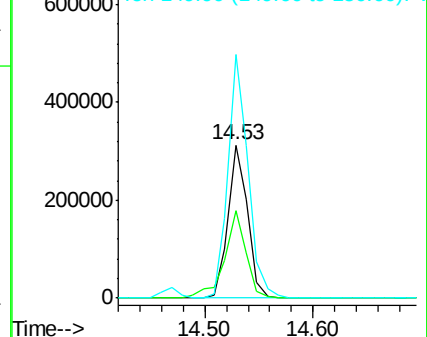
152 100

115 57.0 26.4 79.2

150 158.8 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.434 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

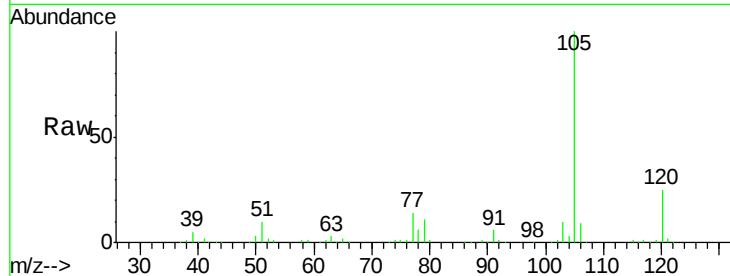
VD0409SBSD02

Tot Ion:105 Resp: 455210

Ion Ratio Lower Upper

105 100

120 25.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

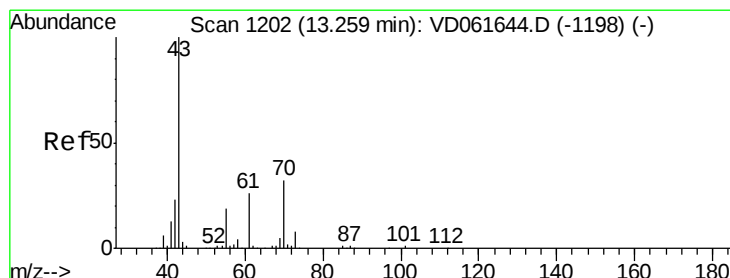
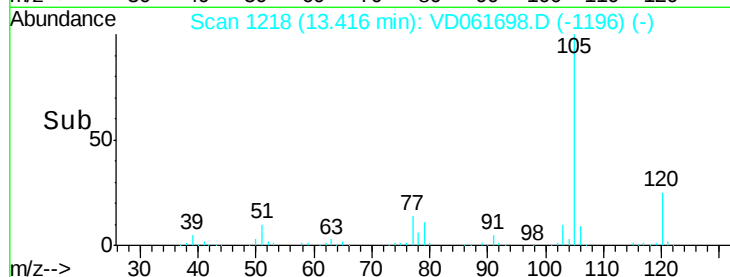
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.872 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 133887

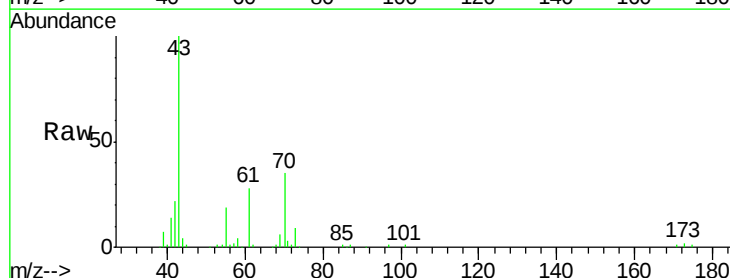
Ion Ratio Lower Upper

43 100

70 34.7 25.4 38.2

55 18.8 15.0 22.4

61 27.8 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

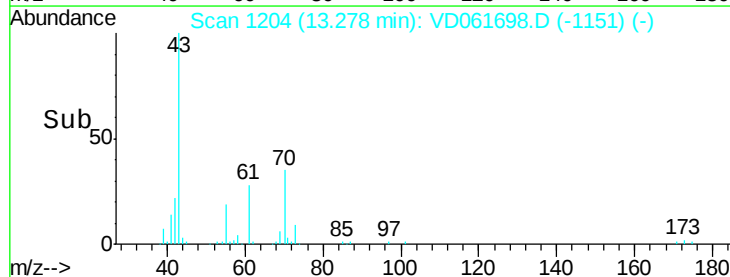
13.28

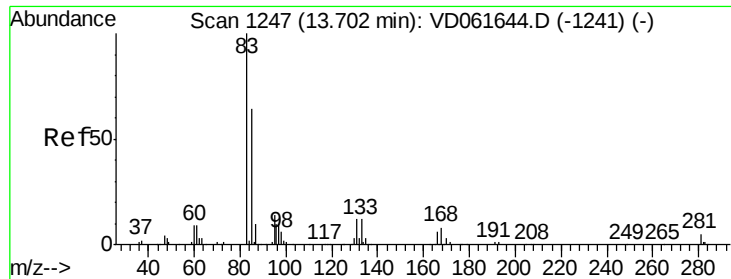
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.040 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

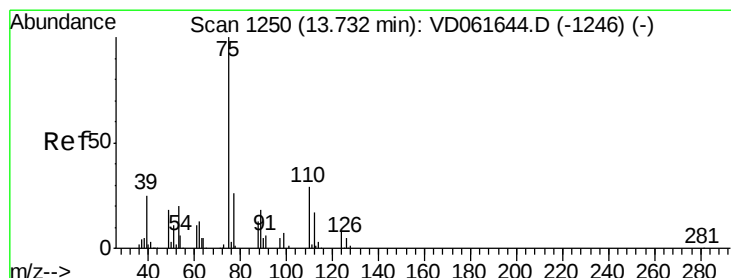
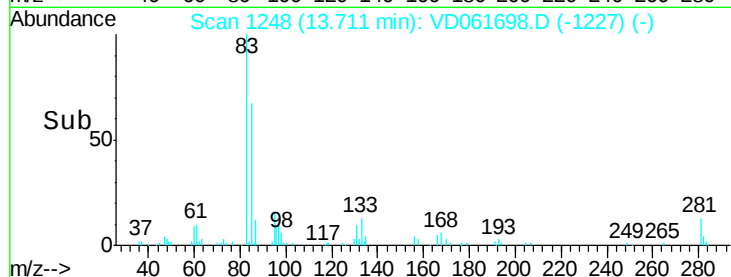
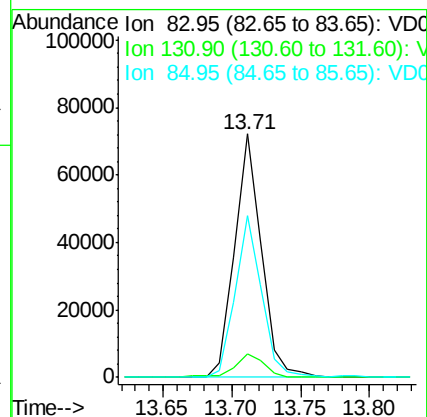
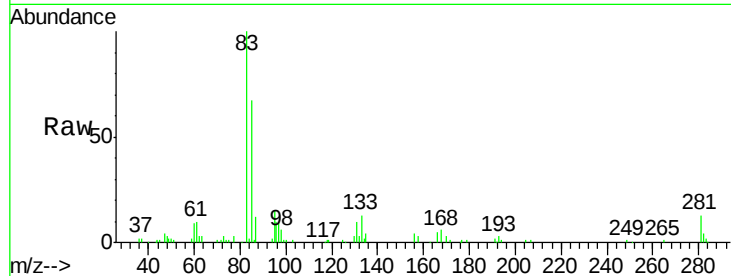
Tot Ion: 83 Resp: 97398

Ion Ratio Lower Upper

83 100

131 9.9 5.9 17.6

85 66.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 18.505 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061698.D

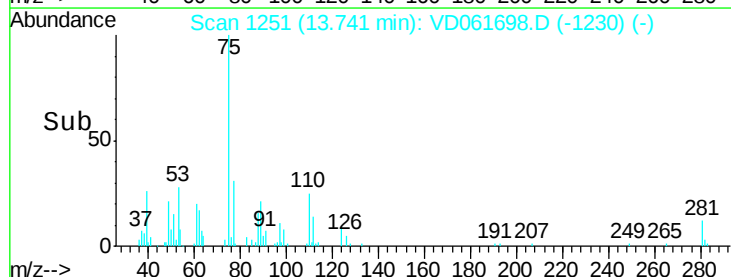
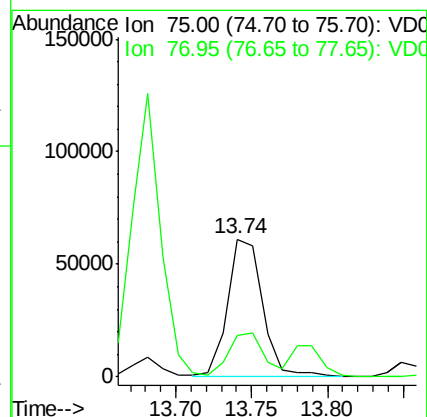
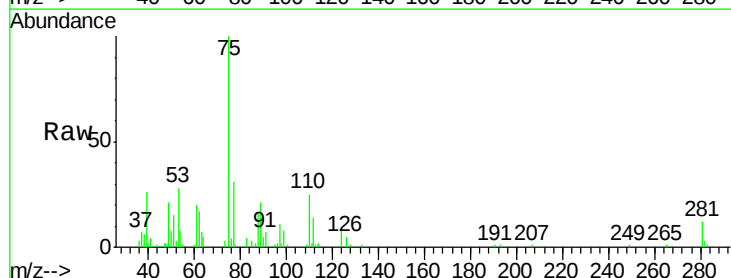
Acq: 10 Apr 2019 4:22

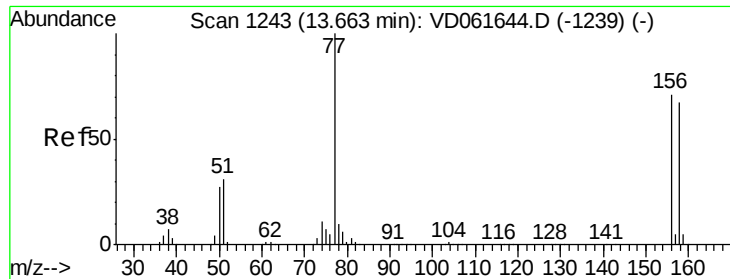
Tgt Ion: 75 Resp: 98658

Ion Ratio Lower Upper

75 100

77 30.5 15.7 47.1





#77

Bromobenzene

Concen: 18.823 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

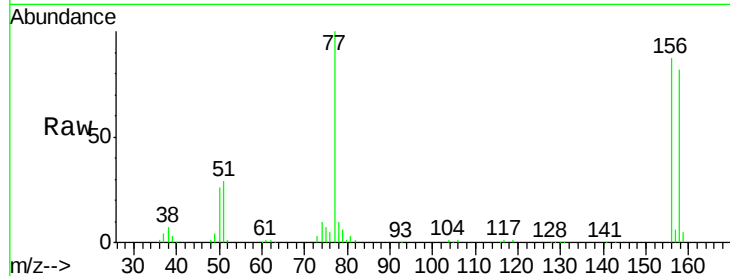
Tot Ion:156 Resp: 142659

Ion Ratio Lower Upper

156 100

77 115.5 70.3 210.8

158 94.8 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

150000

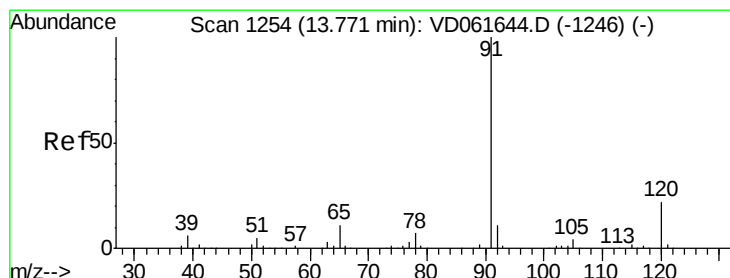
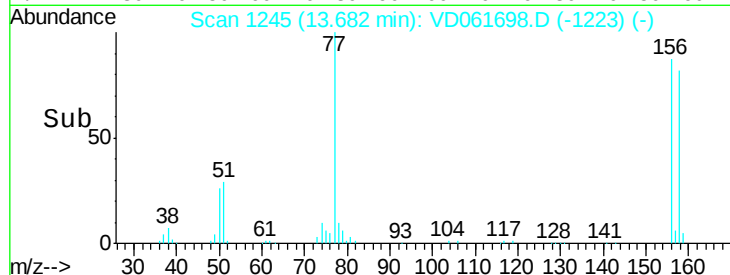
100000

50000

0

Time-->

13.60 13.65 13.70 13.75



#78

n-propylbenzene

Concen: 18.206 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061698.D

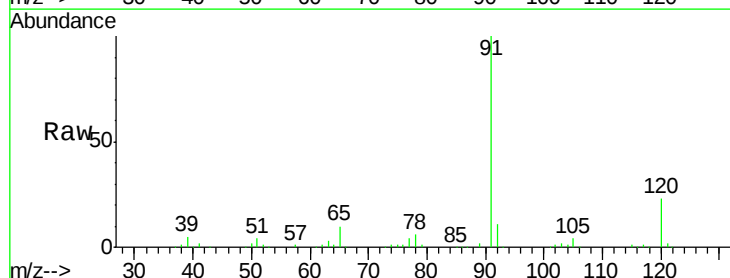
Acq: 10 Apr 2019 4:22

Tgt Ion: 91 Resp: 568640

Ion Ratio Lower Upper

91 100

120 23.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

400000

300000

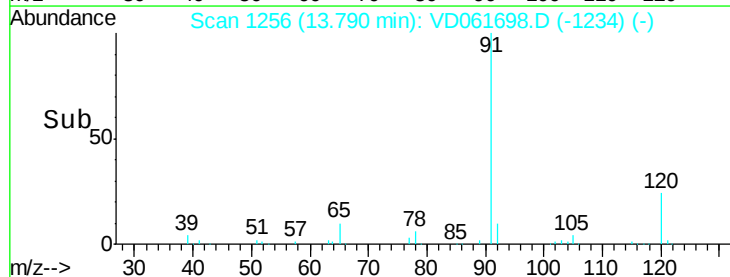
200000

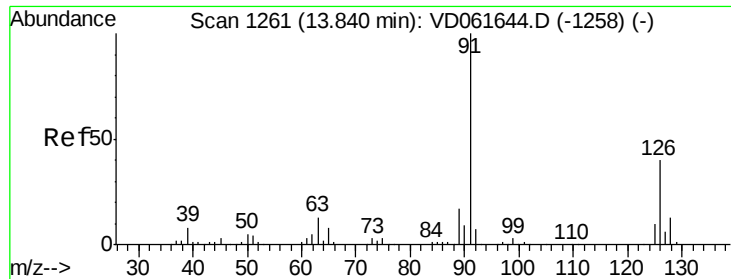
100000

0

Time-->

13.70 13.75 13.80 13.85





#79

2-Chlorotoluene

Concen: 19.495 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

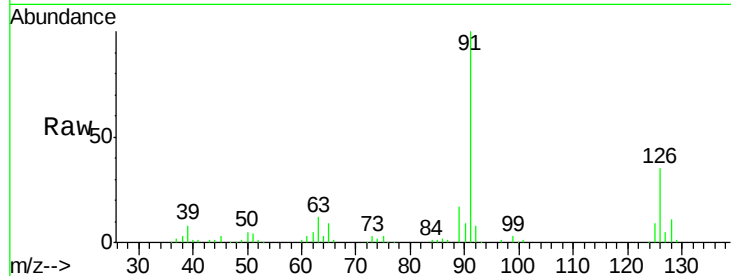
VD0409SBSD02

Tot Ion: 91 Resp: 348199

Ion Ratio Lower Upper

91 100

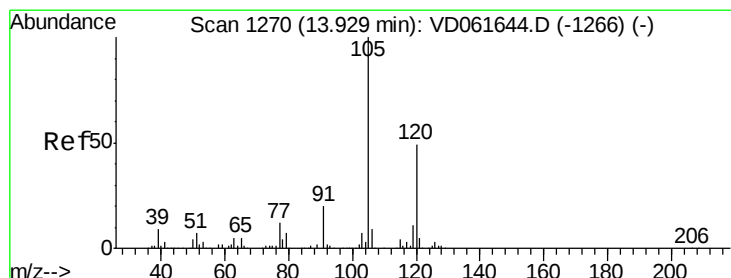
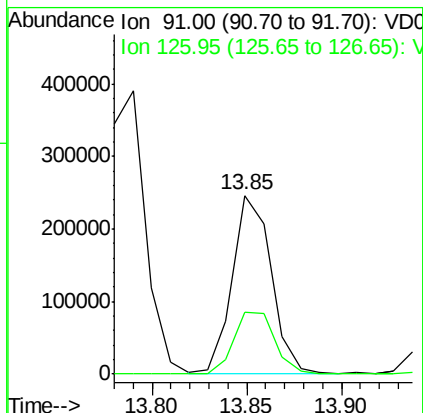
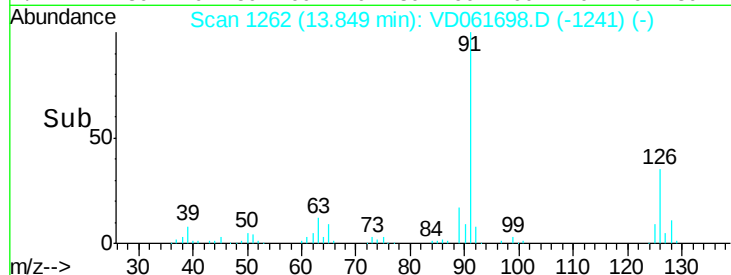
126 34.9 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.217 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD061698.D

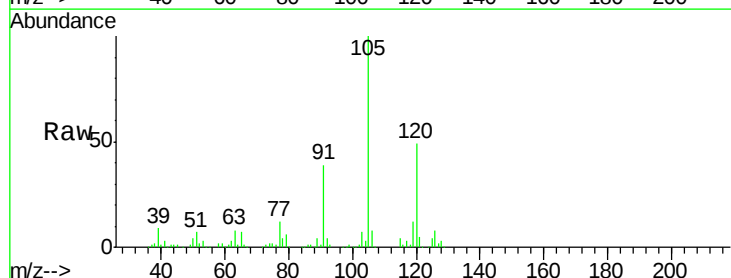
Acq: 10 Apr 2019 4:22

Tgt Ion: 105 Resp: 418988

Ion Ratio Lower Upper

105 100

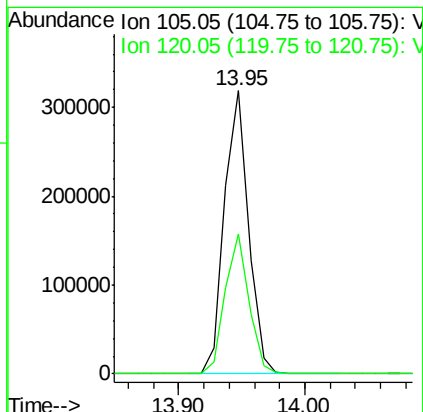
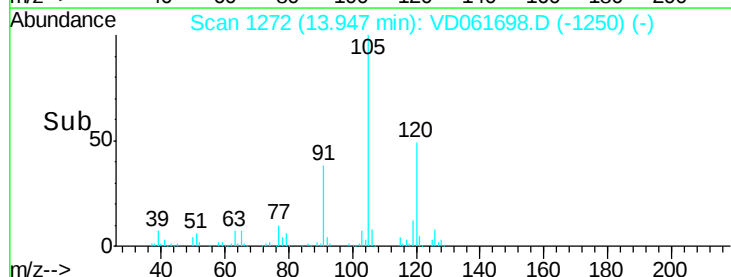
120 49.5 24.4 73.2

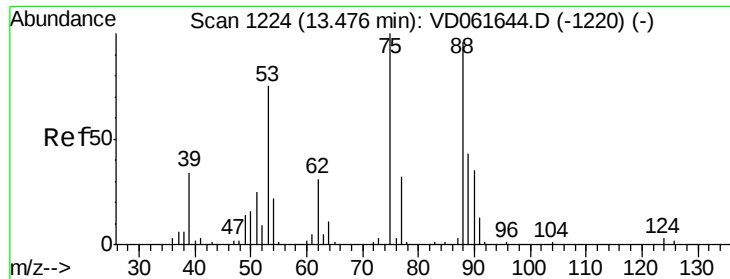


Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.088 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

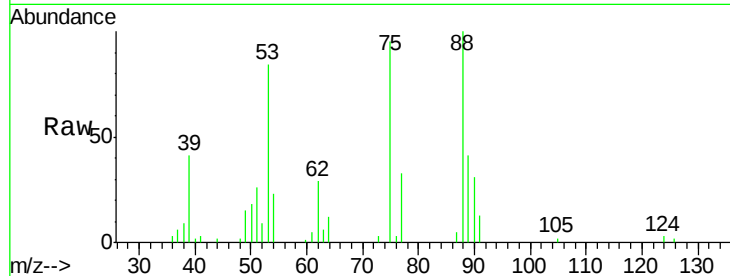
Tot Ion: 75 Resp: 26027

Ion Ratio Lower Upper

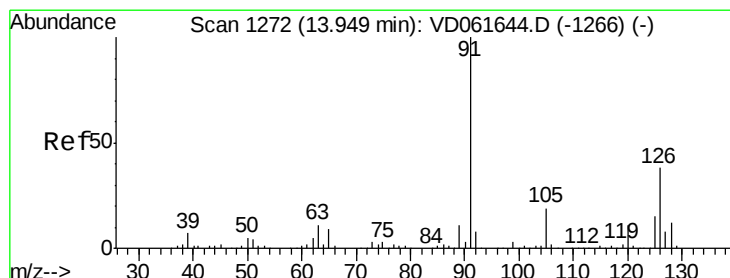
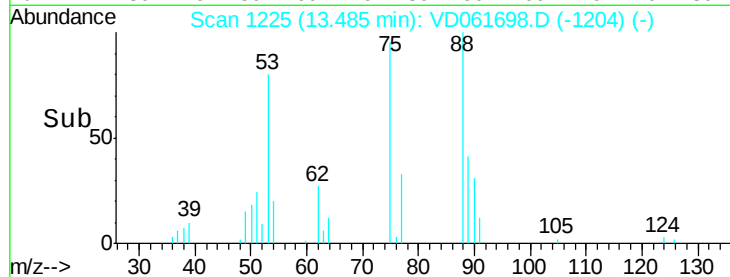
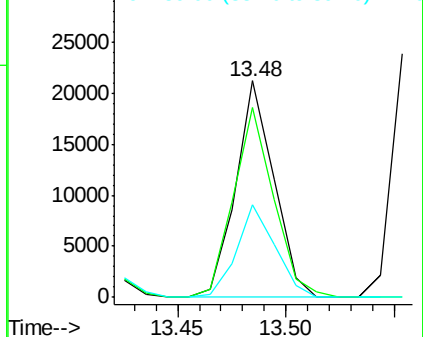
75 100

53 87.9 60.2 90.2

89 43.0 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.652 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061698.D

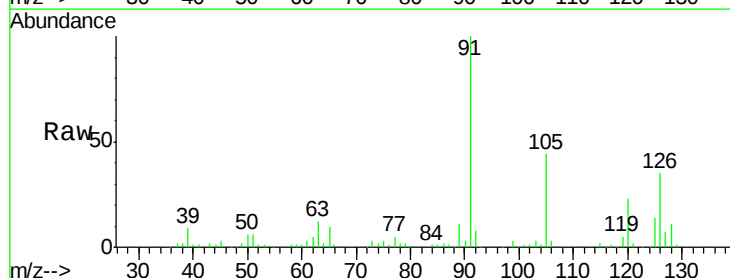
Acq: 10 Apr 2019 4:22

Tgt Ion: 91 Resp: 404198

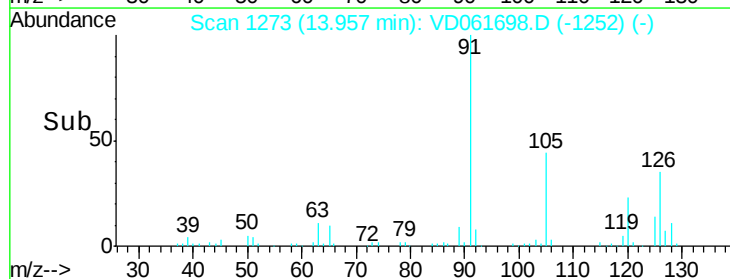
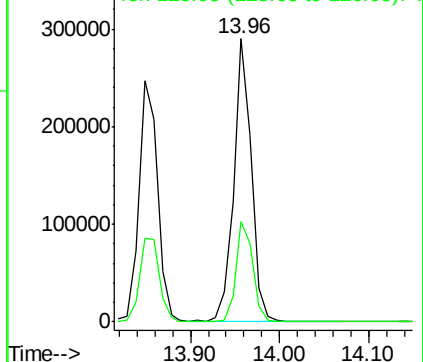
Ion Ratio Lower Upper

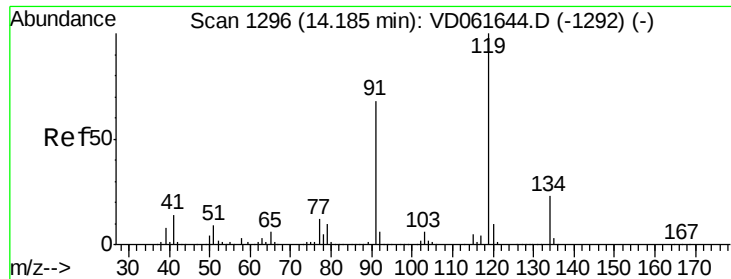
91 100

126 35.4 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

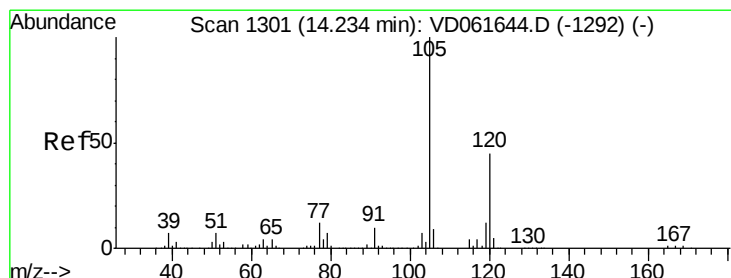
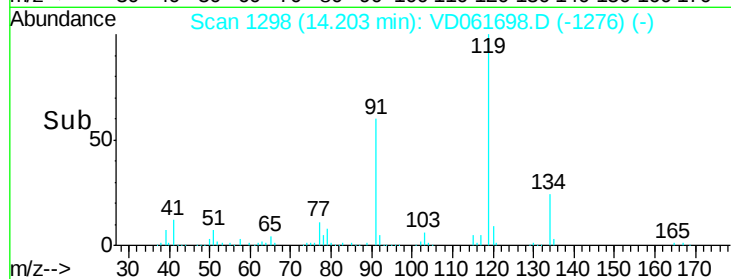
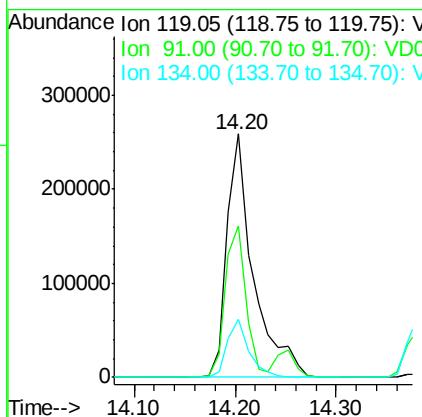
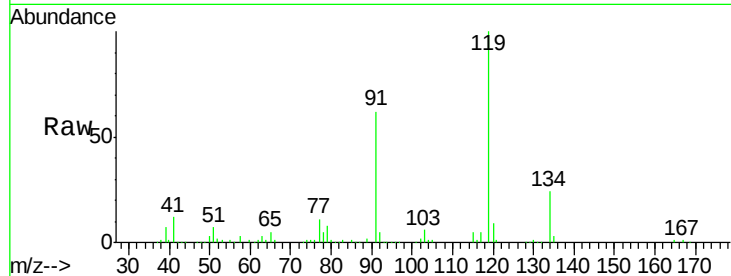




#83
 tert-Butylbenzene
 Concen: 18.889 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

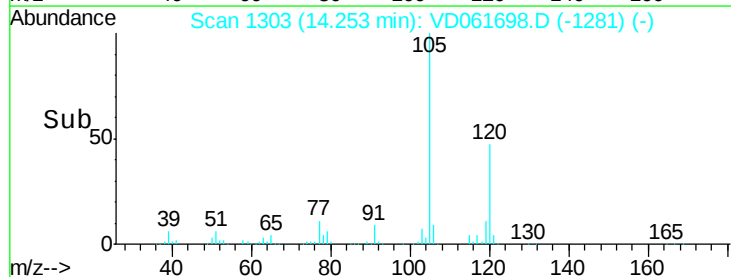
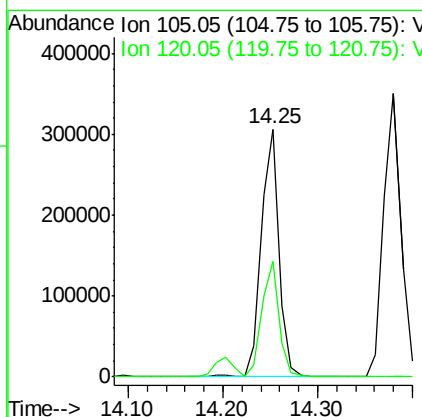
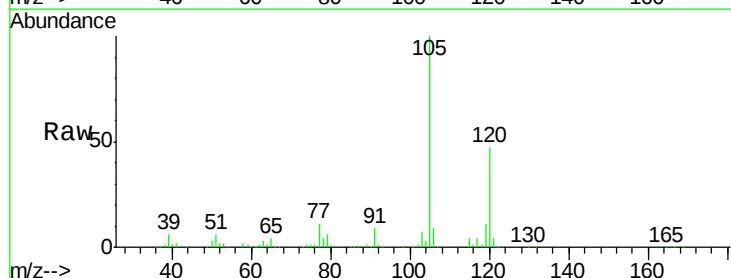
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

Tot Ion:119 Resp: 471998
 Ion Ratio Lower Upper
 119 100
 91 62.3 33.9 101.6
 134 23.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.204 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:105 Resp: 401686
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.6 67.8

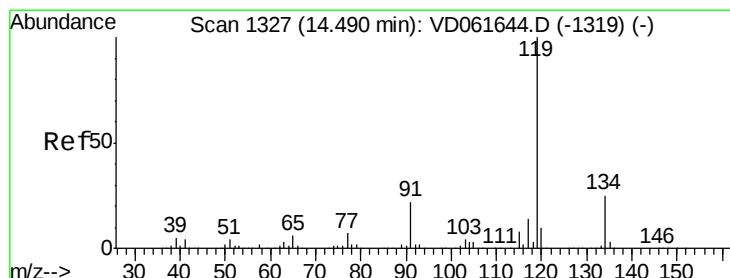
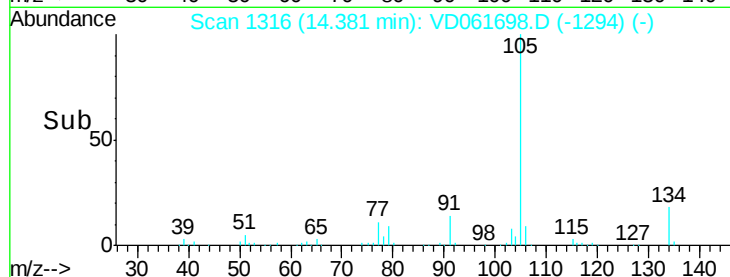
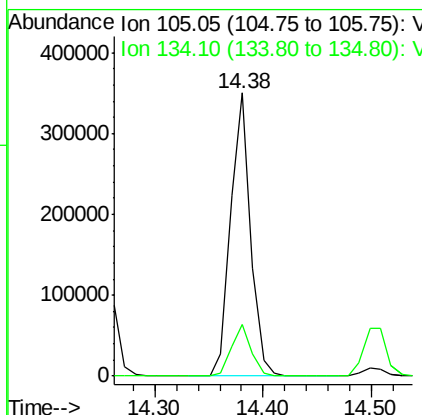
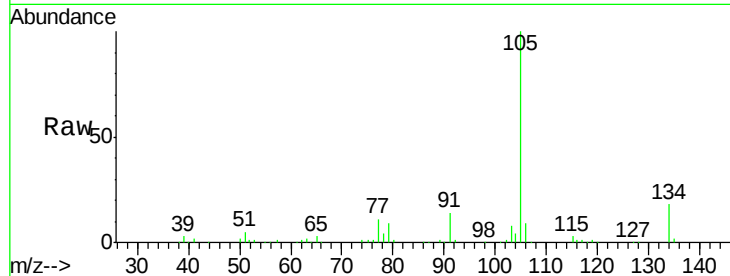




#85
 sec-Butylbenzene
 Concen: 16.731 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

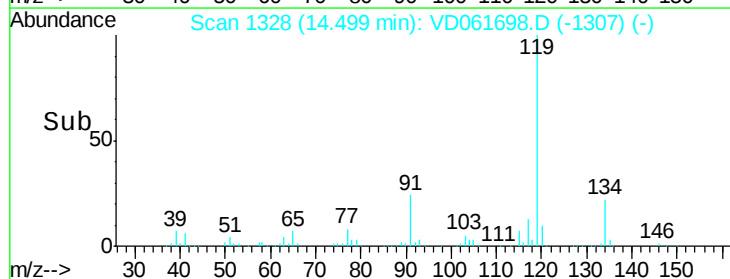
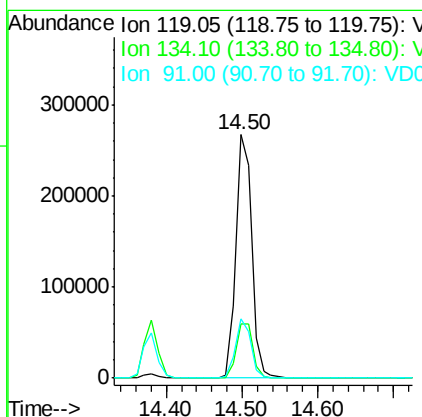
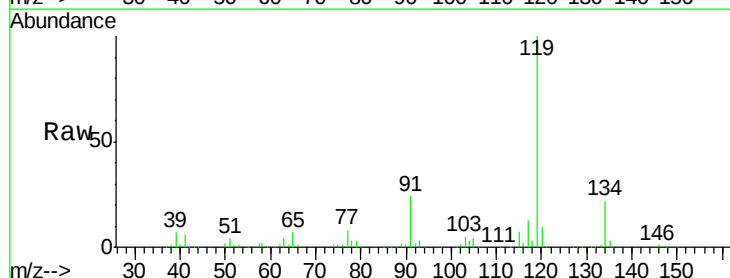
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

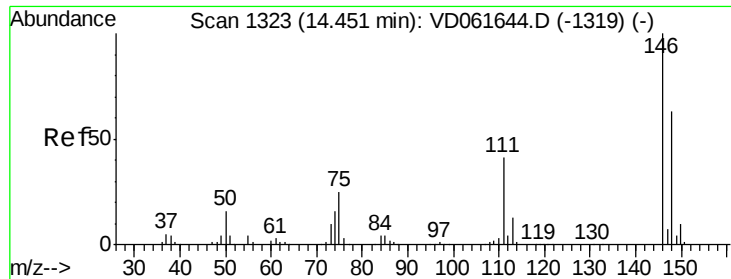
Tot Ion:105 Resp: 451702
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 16.233 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:119 Resp: 380177
 Ion Ratio Lower Upper
 119 100
 134 22.3 12.5 37.5
 91 24.3 11.0 33.0

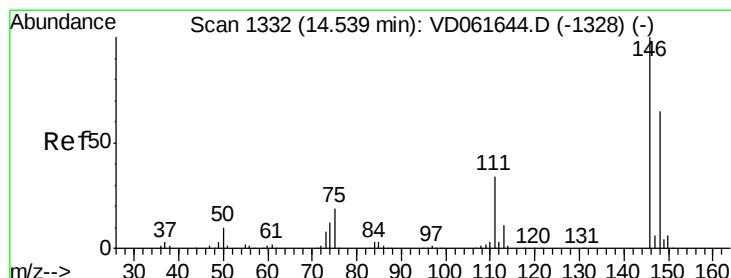
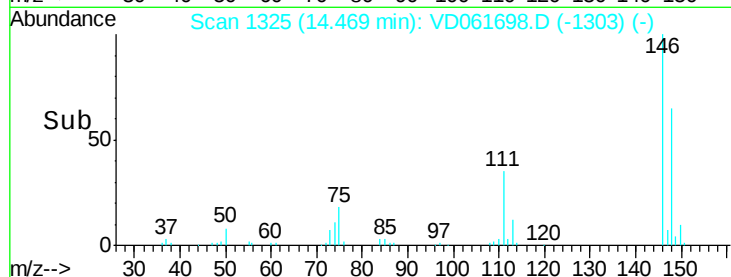
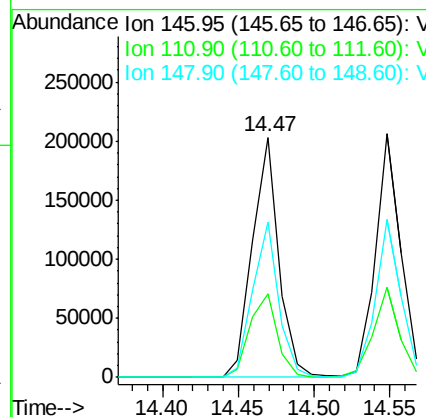
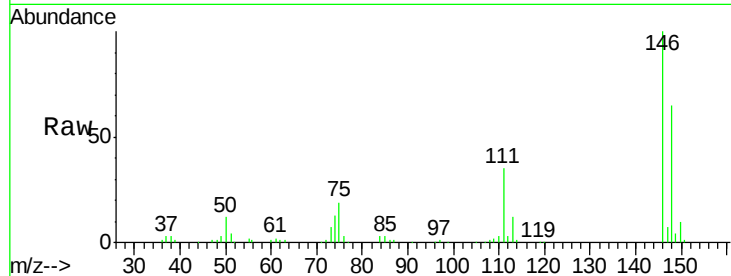




#87
 1,3-Dichlorobenzene
 Concen: 18.925 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

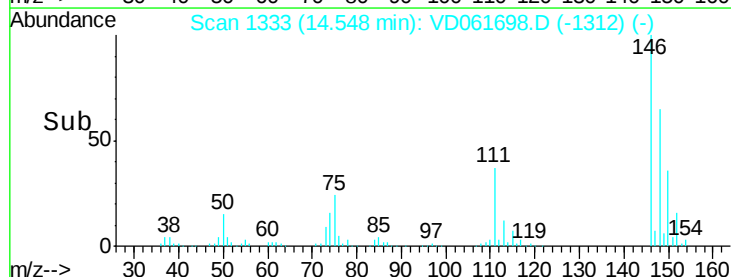
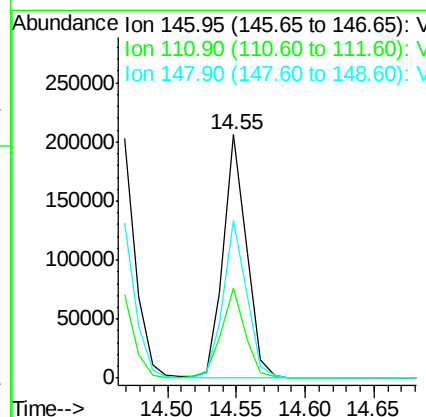
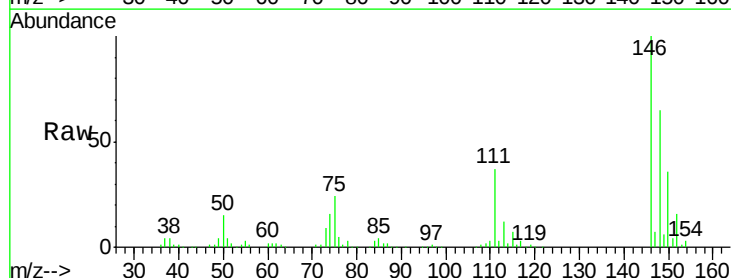
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

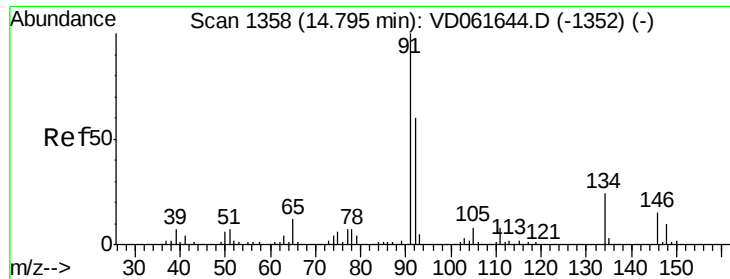
Tot Ion:146 Resp: 246845
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.3 61.0
 148 64.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.339 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:146 Resp: 241361
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.1 51.2
 148 64.6 32.6 97.7





#89

n-Butylbenzene

Concen: 18.948 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBSD02

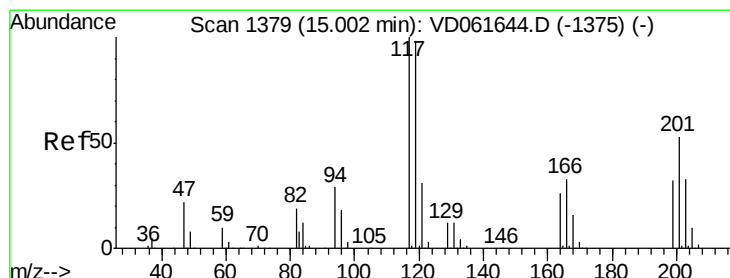
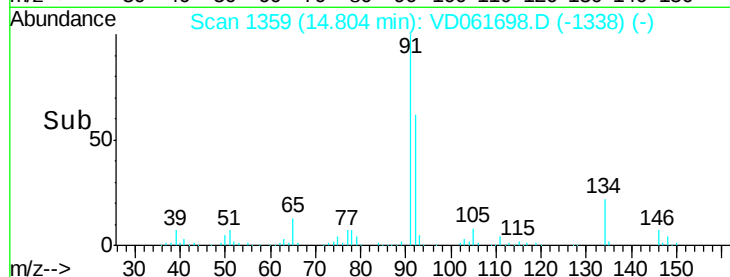
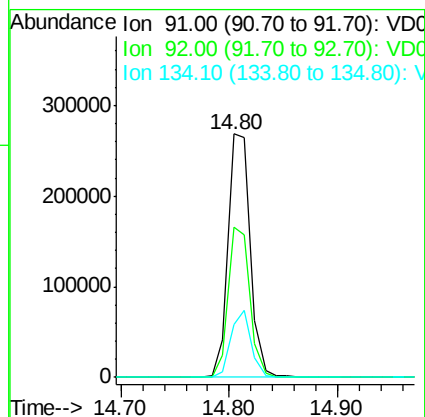
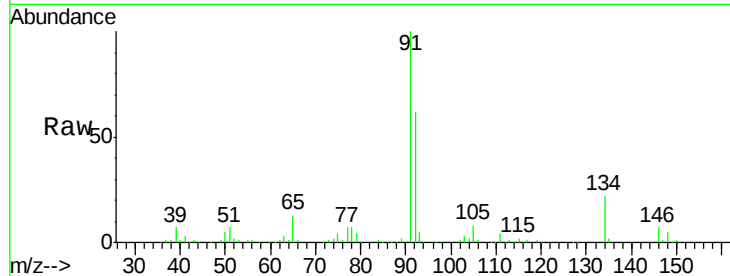
Tot Ion: 91 Resp: 385709

Ion Ratio Lower Upper

91 100

92 61.6 29.8 89.4

134 21.7 12.2 36.4



#90

Hexachloroethane

Concen: 18.065 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD061698.D

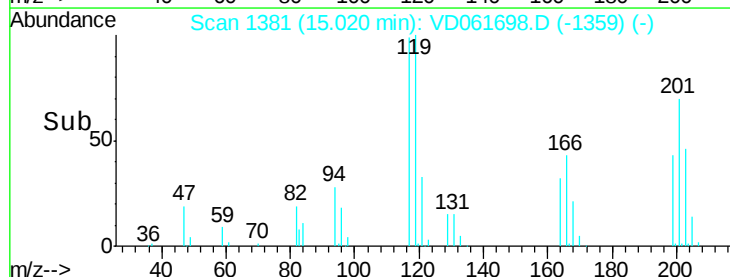
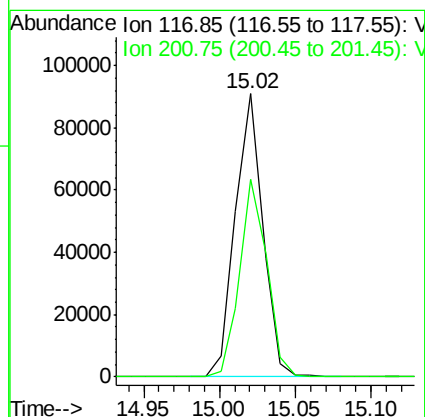
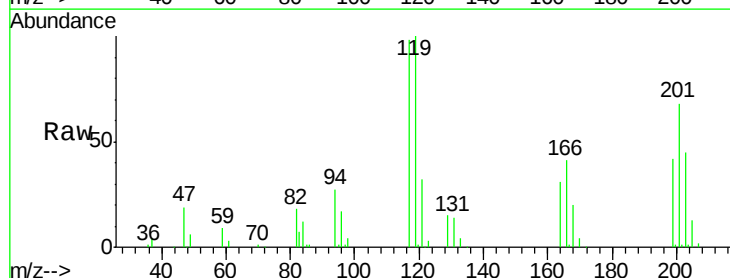
Acq: 10 Apr 2019 4:22

Tgt Ion: 117 Resp: 114801

Ion Ratio Lower Upper

117 100

201 69.7 26.3 78.8

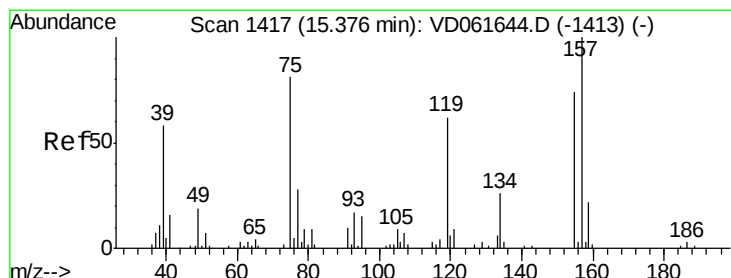
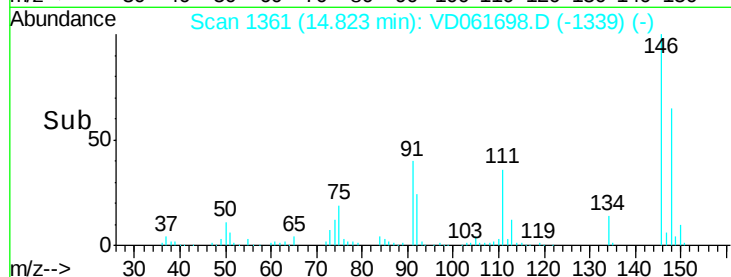
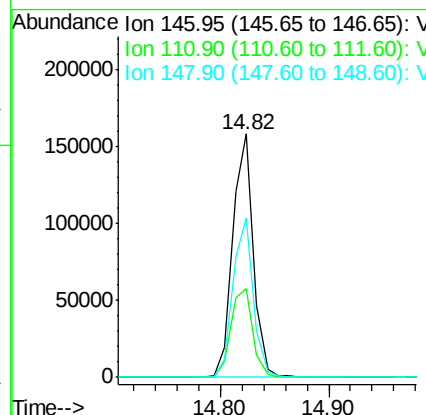
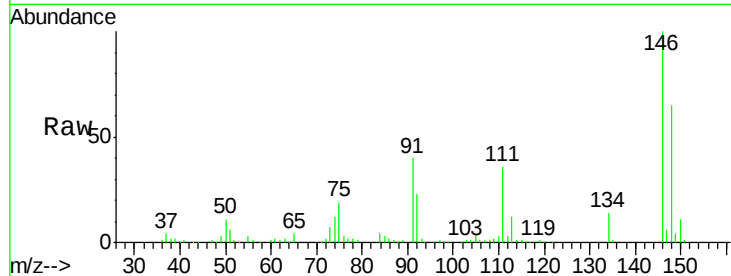




#91
 1,2-Dichlorobenzene
 Concen: 19.517 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

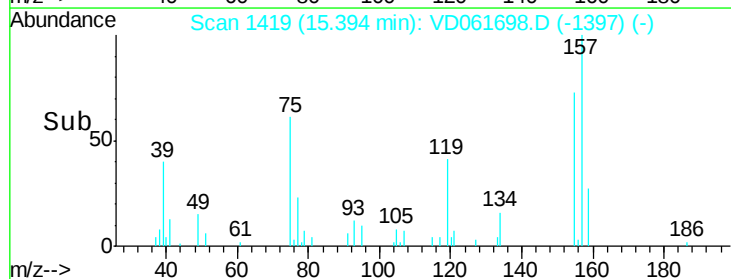
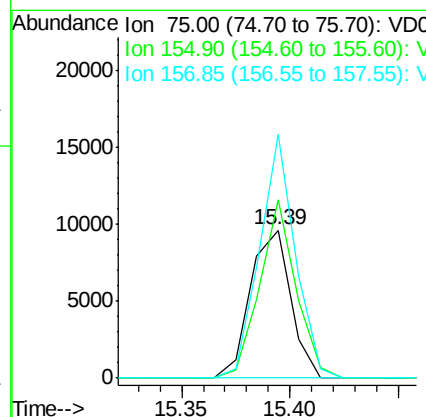
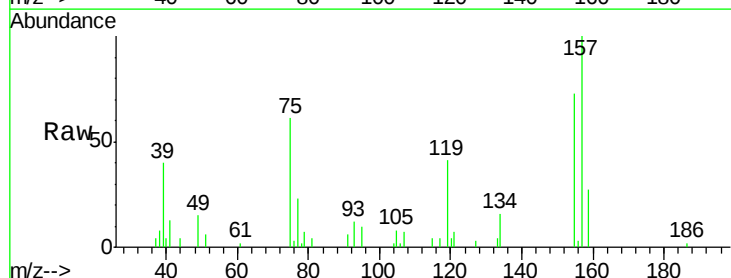
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

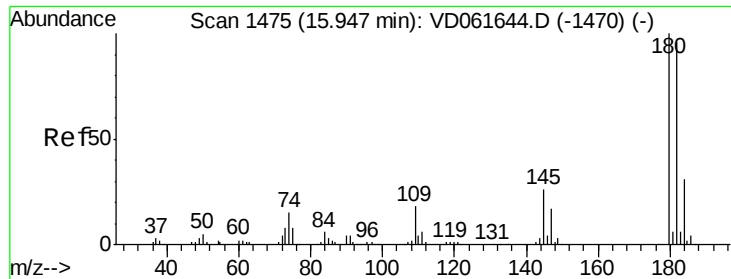
Tot Ion:146 Resp: 209806
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.1 63.3
 148 65.3 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.283 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 75 Resp: 12563
 Ion Ratio Lower Upper
 75 100
 155 120.2 45.6 136.7
 157 164.5 61.4 184.2

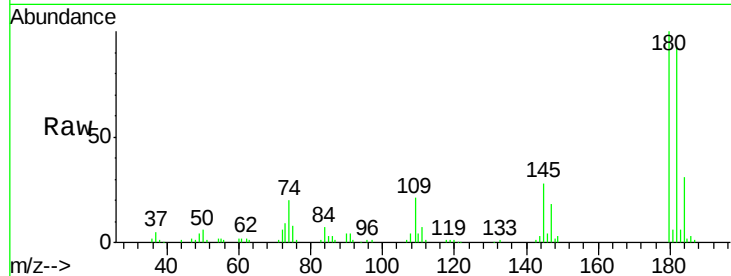




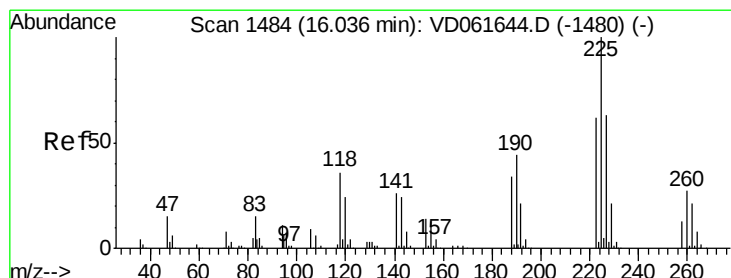
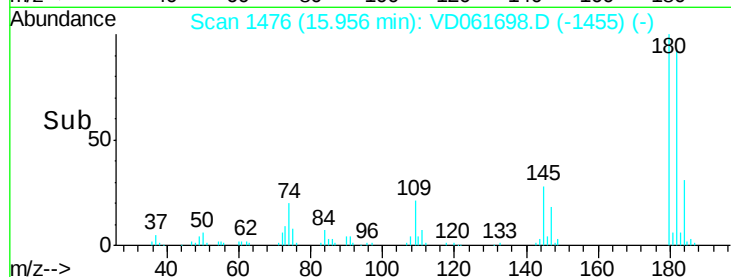
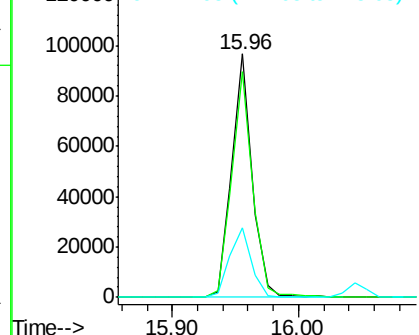
#93
 1,2,4-Trichlorobenzene
 Concen: 19.709 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD02

Tot Ion:180 Resp: 107946
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.8 143.3
 145 28.5 13.3 39.8

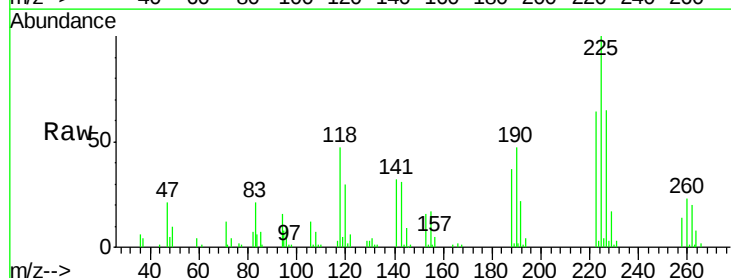


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

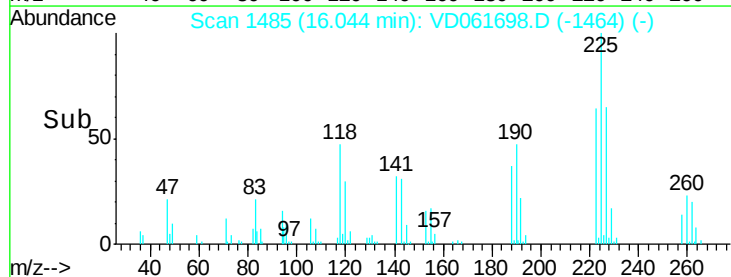
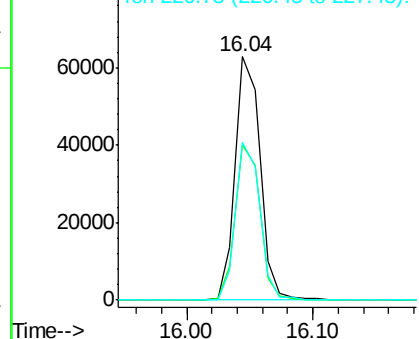


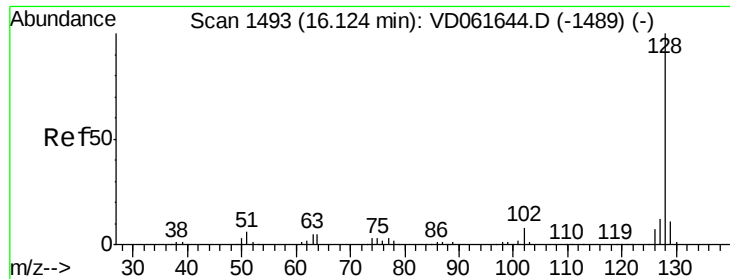
#94
 Hexachlorobutadiene
 Concen: 20.200 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:225 Resp: 85426
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.8 92.3
 227 64.8 31.5 94.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

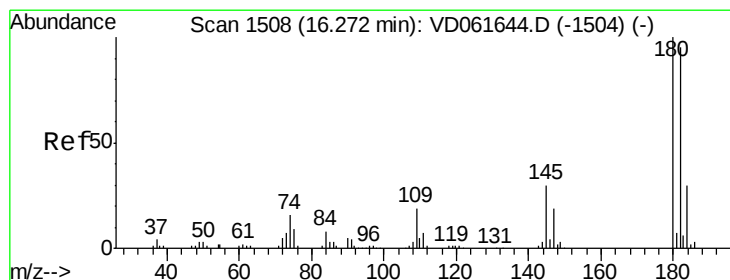
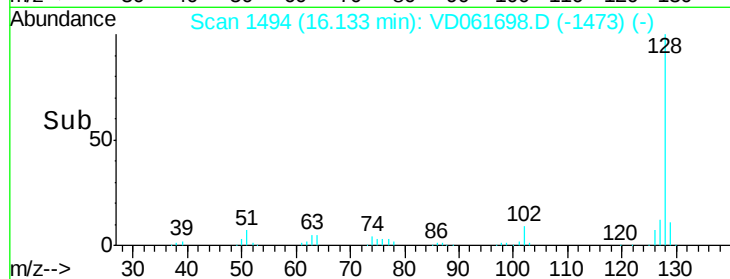
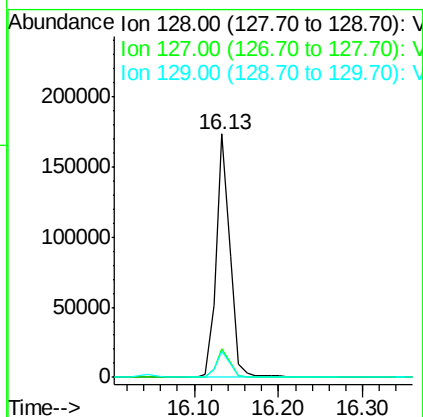
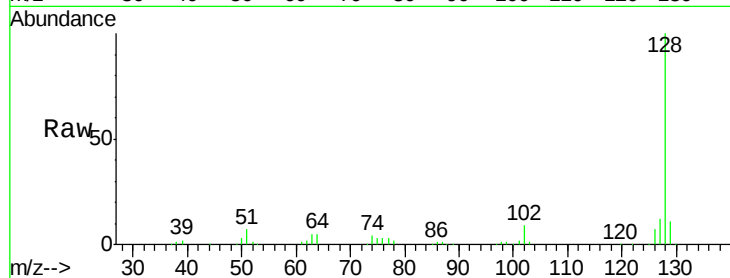




#95
Naphthalene
Concen: 22.599 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD02

Tot Ion:128 Resp: 195843
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.596 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:180 Resp: 67232
Ion Ratio Lower Upper
180 100
182 90.8 47.3 142.0
145 30.0 15.1 45.3

